

GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: March 17, 2006, 20:27:26 ; Search time 20 Seconds  
(without alignments)  
124.014 Million cell updates/sec

Title: US-09-900-147-6  
Perfect score: 152  
Sequence: 1 YDNLVLMANNIISKEKIKWIGLPTNSA 30

Scoring table: BIOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/ptodata/1/1aa/5.COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/6.COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/H.COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/PTUS.COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/RE.COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/backfills1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	152	100.0	30	2	US-09-308-935-6
2	152	100.0	37	2	US-09-308-935-1
3	152	100.0	72	1	US-08-428-131-11
4	152	100.0	72	2	US-09-078-596-11
5	152	100.0	331	2	US-09-949-016-9220
6	152	100.0	369	1	US-08-723-415B-4
7	152	100.0	369	2	US-09-189-627A-4
8	152	100.0	370	2	US-09-710-861-4
9	152	100.0	370	1	US-08-723-415B-6
10	152	100.0	370	2	US-09-189-627A-6
11	152	100.0	370	2	US-09-710-861-6
12	152	100.0	385	1	US-08-723-415B-8
13	152	100.0	385	2	US-09-189-627A-8
14	152	100.0	385	2	US-09-710-861-8
15	152	100.0	410	1	US-08-723-415B-10
16	152	100.0	410	1	US-08-723-415B-11
17	152	100.0	410	1	US-08-428-131-2
18	152	100.0	410	1	US-08-602-846-2
19	152	100.0	410	2	US-09-078-596-2
20	152	100.0	410	2	US-09-189-627A-10
21	152	100.0	410	2	US-09-189-627A-11
22	152	100.0	410	2	US-09-710-861-10
23	152	100.0	410	2	US-09-710-861-11
24	152	100.0	415	2	US-09-949-016-8808
25	152	100.0	446	2	US-08-723-415B-2
26	152	100.0	446	2	US-09-189-627A-2
27	152	100.0	446	2	US-09-710-861-2

28	126	82.9	74	2	US-08-894-139-10	Sequence 10, Appl
29	124	81.6	119	2	US-09-640-211A-1157	Sequence 1157, Ap
30	119	78.3	120	2	US-09-640-211A-1056	Sequence 1056, Ap
31	101	66.4	20	2	US-09-308-935-4	Sequence 4, Appl
32	80	52.6	15	2	US-09-308-935-10	Sequence 10, Appl
33	72	47.4	19	2	US-09-308-935-3	Sequence 3, Appl
34	68	44.7	19	2	US-09-308-935-15	Sequence 15, Appl
35	67	44.1	16	2	US-09-308-935-5	Sequence 5, Appl
36	67	44.1	17	2	US-08-428-131-13	Sequence 13, Appl
37	67	44.1	17	2	US-09-078-596-13	Sequence 13, Appl
38	67	44.1	28	2	US-09-269-576G-22	Sequence 22, Appl
39	67	44.1	28	2	US-09-269-576G-24	Sequence 24, Appl
40	64	42.1	19	2	US-09-308-935-16	Sequence 16, Appl
41	63	41.4	28	2	US-09-269-576G-3	Sequence 3, Appl
42	63	41.4	28	2	US-09-269-576G-21	Sequence 21, Appl
43	60	39.5	19	2	US-09-308-935-17	Sequence 17, Appl
44	56.5	37.2	73	1	US-08-428-131-12	Sequence 12, Appl
45	56.5	37.2	73	2	US-09-078-596-12	Sequence 12, Appl

## ALIGNMENTS

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RESULT 1
US-09-308-935-6
; Sequence 6, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-6
Query Match      100.0%; Score 152; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.8e-16;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YDNLVLMANNIISKEKIKWIGLPTNSA 30
DB      1 YDNLVLMANNIISKEKIKWIGLPTNSA 30

RESULT 2
US-09-308-935-1
; Sequence 1, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandaru, Vasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; EARLIER FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
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SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 1  
LENGTH: 37  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-1

Query Match 100.0%; Score 152; DB 2; Length 37;  
Best Local Similarity 100.0%; Pred. No. 2,2e-16;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YDALNVLAMNNIISKEKEIKWIGLPTNSA 30  
11 YDALNVLAMNNIISKEKEIKWIGLPTNSA 37

US-08-428-131-11  
Sequence 11, Application US/08428131  
Patent No. 5863757

GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas Barrie  
TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Nixon & Vanderhye  
STREET: 1100 No. 5863757th Glebe Road, 8th Floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
COMPUTER TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 72 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-428-131-11

Query Match 100.0%; Score 152; DB 1; Length 72;  
Best Local Similarity 100.0%; Pred. No. 4,8e-16;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YDALNVLAMNNIISKEKEIKWIGLPTNSA 30  
11 YDALNVLAMNNIISKEKEIKWIGLPTNSA 40

US-09-078-596-11  
Sequence 11, Application US/09078596  
Patent No. 6150116

GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas Barrie

TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Nixon & Vanderhye  
STREET: 1100 No. 6150116th Glebe Road, 8th Floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
COMPUTER TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/078,596  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 72 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-078-596-11

Query Match 100.0%; Score 152; DB 2; Length 72;  
Best Local Similarity 100.0%; Pred. No. 4,8e-16;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YDALNVLAMNNIISKEKEIKWIGLPTNSA 30  
11 YDALNVLAMNNIISKEKEIKWIGLPTNSA 40

US-09-949-016-9220  
Sequence 9220, Application US/09949016  
Patent No. 6812339

GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CL001307  
CURRENT APPLICATION NUMBER: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: PastSeq for Windows Version 4.0  
SEQ ID NO 9220  
LENGTH: 331  
TYPE: PRT  
ORGANISM: Human  
US-09-949-016-9220

Query Match 100.0%; Score 152; DB 2; Length 331;  
Best Local Similarity 100.0%; Pred. No. 2,8e-15;

	Matches	30,	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0
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<b>Db</b>		155	YDALNVLAMNISKEKKEIKWIGLPTNSA	184						

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RESULT 6
US-08-723-415B-4
; Sequence 4, Application US/08723415B
; Patent No. 5859199
; GENERAL INFORMATION:
; APPLICANT: Lathague, Nicholas B.
; APPLICANT: delatuna, Susana
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS
; TITLE OF INVENTION: THEREOF
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: NIXON & VANDERHAYE P.C.
; STREET: 1100 No. 5859199th Glabe Rd. 8th floor
; CITY: Arlington
; STATE: VA
; COUNTRY: USA
; ZIP: 22201-4741
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/723,415B
; FILING DATE: 30-SEP-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9610195.1
; FILING DATE: 15-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Crawford, Arthur R.
; REGISTRATION NUMBER: 25,327
; REFERENCE/DOCKET NUMBER: 117-220
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-816-4000
; TELEFAX: 703-816-4100
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 369 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-723-415B-4

Query Match 100.0%; Score 152; DB 1; Length 369;
Best Local Similarity 100.0%; Pred. No. 3.2e-15;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 1 YDALNVLMAMNIIISKEKEIKWIGLPTSA 30
Db 108 YDALNVLMAMNIIISKEKEIKWIGLPTSA 137

RESULT 7
US-09-189-627A-4
; Sequence 4, Application US/09189627A
; Patent No. 6159691
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas
; APPLICANT: de la Luna, Susana
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
; FILE REFERENCE: 620-54
; CURRENT APPLICATION NUMBER: US/09/189,627A
; CURRENT FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: 08/723,415
; PRIOR FILING DATE: 1996-09-30

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; PRIOR APPLICATION NUMBER: GB 9610195
; PRIOR FILING DATE: 1996-05-15
; NUMBER OF SEQ. ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ. ID NO. 4
; LENGTH: 369
; TYPE: PR1
; ORGANISM: mouse
; MS-09-189-627A-4

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RESULT 8
US-09-710-861-4
; Sequence 4, Application US/09710861
; Patent No. 6387649
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas
; APPLICANT: de la Luna, Susana
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
; FILE REFERENCE: 620-54
; CURRENT APPLICATION NUMBER: US/09/710,861
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US/09/189,627
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: 08/723,415
; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: GB 9610195
; PRIOR FILING DATE: 1996-05-15
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 369
; TYPE: PRT
; ORGANISM: mouse
US-09-710-861-4

Query Match      100.0%; Score 152; DB 2; Length 369;
Best Local Similarity 100.0%; Pred. No. 3.2e-15;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YDALNTVMANNISKEKEIKWIGLPTNSA 30
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Db      108 YDALNTVMANNISKEKEIKWIGLPTNSA 137

RESULT 9
US-08-723-415B-6
; Sequence 6, Application US/08723415B
; Patent No. 5859199
; GENERAL INFORMATION:
; APPLICANT: LaThangue, Nicholas B.
; APPLICANT: delaluna, Susana
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS
; TITLE OF INVENTION: THEREOF
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHAYE P.C.
; STREET: 1100 NO. 5859199th Gliebe Rd. 8th floor
; CITY: Arlington
; STATE: VA
; COUNTRY: USA
; ZIP: 22201-4741
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

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OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 370 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-723-415B-6

Query Match 100.0%; Score 152; DB 1; Length 370;  
Best Local Similarity 100.0%; Pred. No. 3.2e-15;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YDALTVMANNISKEKEIKWIGLPTNSA 30  
Db 109 YDALTVMANNISKEKEIKWIGLPTNSA 138

RESULT 10  
US-09-189-627A-6  
Sequence 6, Application US/09189627A  
Patent No. 6159691  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
APPLICANT: de la Luna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/189,627A  
CURRENT FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 6  
LENGTH: 370  
TYPE: PRP  
ORGANISM: mouse  
US-09-189-627A-6

Query Match 100.0%; Score 152; DB 2; Length 370;  
Best Local Similarity 100.0%; Pred. No. 3.2e-15;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YDALTVMANNISKEKEIKWIGLPTNSA 30  
Db 109 YDALTVMANNISKEKEIKWIGLPTNSA 138

RESULT 11  
US-09-710-861-6  
Sequence 6, Application US/09710861  
Patent No. 6387649  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
APPLICANT: de la Luna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF

FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/710,861  
CURRENT FILING DATE: 2000-11-13  
PRIOR APPLICATION NUMBER: US/09/189,627  
PRIOR FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 6  
LENGTH: 370  
TYPE: PRP  
ORGANISM: mouse  
US-09-710-861-6

Query Match 100.0%; Score 152; DB 2; Length 370;  
Best Local Similarity 100.0%; Pred. No. 3.2e-15;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YDALTVMANNISKEKEIKWIGLPTNSA 30  
Db 109 YDALTVMANNISKEKEIKWIGLPTNSA 138

RESULT 12  
US-08-723-415B-8  
Sequence 8, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: LaThangue, Nicholas B.  
APPLICANT: delaluna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
TITLE OF INVENTION: THEREOF  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSER: NIXON & VANDERHYE P.C.  
STREET: 1100 No. 5859199th Giebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 385 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-723-415B-8

Query Match 100.0%; Score 152; DB 1; Length 385;  
Best Local Similarity 100.0%; Pred. No. 3.3e-15;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;



Qy 1 YDALNVLMANNIISKEKEIKWIGLPTNSA 30  
Db 124 YDALNVLMANNIISKEKEIKWIGLPTNSA 153

RESULT 13  
US-09-189-627A-8  
; Sequence 8, Application US/09189627A  
; Patent No. 6159691  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/189,627A  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 8  
; LENGTH: 385  
; TYPE: PRT  
; ORGANISM: mouse  
US-09-189-627A-8

Query Match 100.0%; Score 152; DB 2; Length 385;  
Best Local Similarity 100.0%; Pred. No. 3.3e-15;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YDALNVLMANNIISKEKEIKWIGLPTNSA 30  
Db 124 YDALNVLMANNIISKEKEIKWIGLPTNSA 153

RESULT 14  
US-09-710-861-8  
; Sequence 8, Application US/09710861  
; Patent No. 6387649  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/710,861  
; PRIOR FILING DATE: 2000-11-13  
; PRIOR APPLICATION NUMBER: US/09/189,627  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 8  
; LENGTH: 385  
; TYPE: PRT  
; ORGANISM: mouse  
US-09-710-861-8

Query Match 100.0%; Score 152; DB 2; Length 385;  
Best Local Similarity 100.0%; Pred. No. 3.3e-15;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YDALNVLMANNIISKEKEIKWIGLPTNSA 30  
Db 124 YDALNVLMANNIISKEKEIKWIGLPTNSA 153

RESULT 15

US-08-723-415B-10  
; Sequence 10, Application US/08723415B  
; Patent No. 5859199  
; GENERAL INFORMATION:  
; APPLICANT: Lathangue, Nicholas B.  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
; TITLE OF INVENTION: THEREOF  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHAYE P.C.  
; STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
; CITY: Arlington  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201-4741

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/723,415B  
; FILING DATE: 30-SEP-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: GB 9610195.1  
; FILING DATE: 15-MAY-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Crawford, Arthur R.  
; REGISTRATION NUMBER: 25,327  
; REFERENCE/DOCKET NUMBER: 117-220  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-816-4000  
; TELEFAX: 703-816-4100  
; INFORMATION FOR SEQ ID NO: 10:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 410 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-723-415B-10

Query Match 100.0%; Score 152; DB 1; Length 410;  
Best Local Similarity 100.0%; Pred. No. 3.6e-15;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YDALNVLMANNIISKEKEIKWIGLPTNSA 30  
Db 170 YDALNVLMANNIISKEKEIKWIGLPTNSA 199

Search completed: March 17, 2006, 20:28:44  
Job time : 20 secs

**This Page Blank (uspto)**

GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: March 17, 2006, 20:46:22 ; Search time 97.2414 Seconds  
(without alignments)  
128.905 Million cell updates/sec

Title: US-09-900-147-6

Perfect score: 152  
Sequence: 1 YDALNVLMANNIISKEKKEIKWIGLPTNSA 30

Scoring table: BIOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications MA Main:  
1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*  
2: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*  
3: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep:\*  
4: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep:\*  
6: /cgn2\_6/ptodata/1/pubpaa/US11\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	152	100.0	30	US-09-900-147-6	Sequence 6, Appl 1
2	152	100.0	37	US-09-900-147-1	Sequence 1, Appl 1
3	152	100.0	149	US-10-450-763-35869	Sequence 35869, A
4	152	100.0	355	US-10-106-698-4846	Sequence 4846, Ap
5	152	100.0	424	US-10-450-763-58416	Sequence 58416, A
6	137	90.1	405	US-10-053-248-24	Sequence 24, Appl 1
7	137	90.1	405	US-10-345-837-24	Sequence 24, Appl 1
8	132	86.8	445	US-11-097-143-9348	Sequence 9348, Ap
9	130	85.5	185	US-10-450-763-35867	Sequence 35867, A
10	126	82.9	74	US-10-214-188-10	Sequence 10, Appl 1
11	124	81.6	119	US-10-856-499-1157	Sequence 1157, Ap
12	119	78.3	120	US-10-856-499-1056	Sequence 1056, Ap
13	119	78.3	575	US-09-220-091-7	Sequence 7, Appl 1
14	117	77.0	207	US-10-425-114-71403	Sequence 71403, A
15	117	77.0	222	US-10-425-114-36974	Sequence 36974, A
16	117	77.0	301	US-10-425-115-272014	Sequence 272014, A
17	117	77.0	314	US-10-424-599-185947	Sequence 185947, A
18	117	77.0	318	US-10-437-963-186158	Sequence 186158, A
19	117	77.0	385	US-10-739-930-6734	Sequence 6734, Ap
20	116	76.3	263	US-10-437-963-167076	Sequence 167076, A
21	116	76.3	336	US-10-425-114-46555	Sequence 46555, A
22	116	76.3	341	US-10-425-115-186696	Sequence 186696, A
23	114	75.0	320	US-10-424-599-186648	Sequence 186648, A
24	102	67.1	292	US-10-489-500-4	Sequence 4, Appl 1
25	101	66.4	20	US-09-900-147-4	Sequence 4, Appl 1
26	98.5	64.8	369	US-10-437-963-136371	Sequence 136371, A
27	95	62.5	250	US-10-425-115-188778	Sequence 188778, A

28	80	52.6	15	3	US-09-900-147-10	Sequence 10, Appl 1
29	74	48.7	165	4	US-10-424-599-234773	Sequence 234773, A
30	72	47.4	19	3	US-09-900-147-3	Sequence 3, Appl 1
31	68	44.7	19	3	US-09-900-147-15	Sequence 15, Appl 1
32	67	44.1	16	3	US-09-900-147-5	Sequence 5, Appl 1
33	67	44.1	28	5	US-10-752-505-22	Sequence 22, Appl 1
34	67	44.1	28	5	US-10-752-505-24	Sequence 24, Appl 1
35	66.5	43.8	287	5	US-10-732-923-3422	Sequence 3422, Ap
36	66.5	43.8	412	5	US-10-732-923-3424	Sequence 3424, Ap
37	66.5	43.8	470	5	US-10-732-923-3423	Sequence 3423, Ap
38	64	42.1	19	3	US-09-900-147-16	Sequence 16, Appl 1
39	63	41.4	28	5	US-10-752-505-3	Sequence 3, Appl 1
40	63	41.4	28	5	US-10-752-505-21	Sequence 21, Appl 1
41	61.5	40.5	198	5	US-10-732-923-3386	Sequence 3386, Ap
42	61	40.1	323	5	US-10-732-923-3274	Sequence 3274, Ap
43	61	40.1	379	5	US-10-732-923-3273	Sequence 3273, Ap
44	61	40.1	403	5	US-10-732-923-3272	Sequence 3272, Ap
45	60	39.5	19	3	US-09-900-147-17	Sequence 17, Appl 1

## ALIGNMENTS

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RESULT 1
US-09-900-147-6
; Sequence 6, Application US/09900147
; Patent No. US20020103121A1
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/900,147
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-6
Query Match 100.0%; Score 152; DB 3; Length 30;
Best Local Similarity 100.0%; Pred. No. 2.1e-15;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 YDALNVLMANNIISKEKKEIKWIGLPTNSA 30
DB 1 YDALNVLMANNIISKEKKEIKWIGLPTNSA 30
RESULT 2
US-09-900-147-1
; Sequence 1, Application US/09900147
; Patent No. US20020103121A1
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandaru, Vasanth R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/900,147
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
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/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 1
/ LENGTH: 37
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-1

Query Match          100.0%; Score 152; DB 3; Length 37;
Best Local Similarity 100.0%; Pred. No. 2.7e-15;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 YDALNVLMANNIISKEKEIKWIGLPTNSA 30
Db      8 YDALNVLMANNIISKEKEIKWIGLPTNSA 37

RESULT 3
US-10-450-763-35869
/ Sequence 35869, Application US/10450763
/ Publication No. US20050196754A1
/ GENERAL INFORMATION:
/ APPLICANT: Hyeeg, Inc
/ TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
/ FILE REFERENCE: 790CIP3/US
/ CURRENT APPLICATION NUMBER: US/10/450,763
/ CURRENT FILING DATE: 2003-06-11
/ PRIOR APPLICATION NUMBER: PCT/US01/08631
/ PRIOR FILING DATE: 2001-03-30
/ PRIOR APPLICATION NUMBER: 09/540,217
/ PRIOR FILING DATE: 2000-03-31
/ PRIOR APPLICATION NUMBER: 09/649,167
/ PRIOR FILING DATE: 2000-08-23
/ NUMBER OF SEQ ID NOS: 60736
/ SOFTWARE: Custom
/ SEQ ID NO 35869
/ LENGTH: 149
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-450-763-35869

Query Match          100.0%; Score 152; DB 5; Length 149;
Best Local Similarity 100.0%; Pred. No. 1.3e-14;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 YDALNVLMANNIISKEKEIKWIGLPTNSA 30
Db      29 YDALNVLMANNIISKEKEIKWIGLPTNSA 58

RESULT 4
US-10-106-698-4846
/ Sequence 4846, Application US/10106698
/ Publication No. US20030109690A1
/ GENERAL INFORMATION:
/ APPLICANT: Ruben et al.
/ TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
/ FILE REFERENCE: PA005P1
/ CURRENT APPLICATION NUMBER: US/10/106,698
/ CURRENT FILING DATE: 2002-03-27
/ PRIOR APPLICATION NUMBER: PCT/US00/26524
/ PRIOR FILING DATE: 2000-09-28
/ PRIOR APPLICATION NUMBER: US 60/157,137
/ PRIOR FILING DATE: 1999-09-29
/ PRIOR APPLICATION NUMBER: US 60/163,280
/ PRIOR FILING DATE: 1999-11-03
/ NUMBER OF SEQ ID NOS: 8564
/ SOFTWARE: PatentIn Ver. 3.0
/ SEQ ID NO 4846
/ LENGTH: 355
/ TYPE: PRT
/ ORGANISM: Homo sapiens
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/ FEATURE:
/ NAME/KEY: MISC FEATURE
/ LOCATION: (342)
/ OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
/ NAME/KEY: MISC FEATURE
/ LOCATION: (348)
/ OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
/ NAME/KEY: MISC FEATURE
/ LOCATION: (351)
/ OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
/ NAME/KEY: MISC FEATURE
/ LOCATION: (352)
/ OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-4846

Query Match          100.0%; Score 152; DB 4; Length 355;
Best Local Similarity 100.0%; Pred. No. 3.3e-14;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 YDALNVLMANNIISKEKEIKWIGLPTNSA 30
Db      176 YDALNVLMANNIISKEKEIKWIGLPTNSA 205

RESULT 5
US-10-450-763-58416
/ Sequence 58416, Application US/10450763
/ Publication No. US20050196754A1
/ GENERAL INFORMATION:
/ APPLICANT: Hyeeg, Inc
/ TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
/ FILE REFERENCE: 790CIP3/US
/ CURRENT APPLICATION NUMBER: US/10/450,763
/ CURRENT FILING DATE: 2003-06-11
/ PRIOR APPLICATION NUMBER: PCT/US01/08631
/ PRIOR FILING DATE: 2001-03-30
/ PRIOR APPLICATION NUMBER: 09/540,217
/ PRIOR FILING DATE: 2000-03-31
/ PRIOR APPLICATION NUMBER: 09/649,167
/ PRIOR FILING DATE: 2000-08-23
/ NUMBER OF SEQ ID NOS: 60736
/ SOFTWARE: Custom
/ SEQ ID NO 58416
/ LENGTH: 424
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-450-763-58416

Query Match          100.0%; Score 152; DB 5; Length 424;
Best Local Similarity 100.0%; Pred. No. 4e-14;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 YDALNVLMANNIISKEKEIKWIGLPTNSA 30
Db      163 YDALNVLMANNIISKEKEIKWIGLPTNSA 192

RESULT 6
US-10-053-248-24
/ Sequence 24, Application US/10053248
/ Publication No. US20030144188A1
/ GENERAL INFORMATION:
/ APPLICANT: Lin, Biaoyang
/ TITLE OF INVENTION: Androgen Regulated Nucleic Acid
/ TITLE OF INVENTION: Molecules and Encoded Proteins
/ FILE REFERENCE: P-1S 4814
/ CURRENT APPLICATION NUMBER: US/10/053,248
/ CURRENT FILING DATE: 2002-01-15
/ NUMBER OF SEQ ID NOS: 34
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 24
/ LENGTH: 405
/ TYPE: PRT
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ORGANISM: Homo sapiens  
US-10-053-248-24

Query Match 90.1%; Score 137; DB 4; Length 405;  
Best Local Similarity 90.0%; Pred. No. 6.9e-12;  
Matches 27; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 YDALNVLAMANNIISKEKKIKWIGLPTNSA 30  
Db 165 YDALNVLAMANNIISREKKIKWIGLTTNSA 194

RESULT 7  
US-10-345-837-24  
Sequence 24, Application US/10345837  
Publication No. US20040137440A1

GENERAL INFORMATION:  
APPLICANT: Lin, Biaoyang  
TITLE OF INVENTION: Androgen Regulated Nucleic Acid  
TITLE OF INVENTION: Molecules and Encoded Proteins  
FILE REFERENCE: P-15 5589  
CURRENT APPLICATION NUMBER: US/10/345,837  
CURRENT FILING DATE: 2003-01-15  
PRIOR APPLICATION NUMBER: US 10/053,248  
PRIOR FILING DATE: 2002-01-15  
NUMBER OF SEQ ID NOS: 34  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 24  
LENGTH: 405  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-345-837-24

Query Match 90.1%; Score 137; DB 4; Length 405;  
Best Local Similarity 90.0%; Pred. No. 6.9e-12;  
Matches 27; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 YDALNVLAMANNIISKEKKIKWIGLPTNSA 30  
Db 165 YDALNVLAMANNIISREKKIKWIGLTTNSA 194

RESULT 8  
US-11-097-143-9348

Sequence 9348, Application US/11097143  
Publication No. US20050208558A1  
GENERAL INFORMATION:  
APPLICANT: Venter, J. Craig  
TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID  
TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE  
TITLE OF INVENTION: DROSOPHILA GENES.  
FILE REFERENCE: CL000728  
CURRENT APPLICATION NUMBER: US/11/097,143  
CURRENT FILING DATE: 2005-04-04  
PRIOR APPLICATION NUMBER: 60/157,832  
PRIOR FILING DATE: 1999-10-05  
PRIOR APPLICATION NUMBER: 60/160,191  
PRIOR FILING DATE: 1999-10-19  
PRIOR APPLICATION NUMBER: 60/161,932  
PRIOR FILING DATE: 1999-10-28  
PRIOR APPLICATION NUMBER: 60/164,769  
PRIOR FILING DATE: 1999-11-12  
PRIOR APPLICATION NUMBER: 60/173,383  
PRIOR FILING DATE: 1999-12-28  
PRIOR APPLICATION NUMBER: 60/175,693  
PRIOR FILING DATE: 2000-01-12  
PRIOR APPLICATION NUMBER: 60/184,831  
PRIOR FILING DATE: 2000-02-24  
PRIOR APPLICATION NUMBER: 60/191,637  
PRIOR FILING DATE: 2000-03-23  
NUMBER OF SEQ ID NOS: 43008  
SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 9348  
LENGTH: 445  
TYPE: PRT  
ORGANISM: DROSOPHILA  
US-11-097-143-9348

Query Match 86.8%; Score 132; DB 6; Length 445;  
Best Local Similarity 82.8%; Pred. No. 4.3e-11;  
Matches 24; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 1 YDALNVLAMANNIISKEKKIKWIGLPTNS 29  
Db 220 YDALNVLAMANNIISKDKKIKWIGLPANS 248

RESULT 9  
US-10-450-763-35867  
Sequence 35867, Application US/10450763  
Publication No. US20050196754A1

GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 790CIP3/US  
CURRENT APPLICATION NUMBER: US/10/450,763  
CURRENT FILING DATE: 2003-06-11  
PRIOR APPLICATION NUMBER: PCT/US01/08631  
PRIOR FILING DATE: 2001-03-30  
PRIOR APPLICATION NUMBER: 09/540,217  
PRIOR FILING DATE: 2000-03-31  
PRIOR APPLICATION NUMBER: 09/649,167  
PRIOR FILING DATE: 2000-08-23  
NUMBER OF SEQ ID NOS: 60736  
SOFTWARE: Custom  
SEQ ID NO 35867  
LENGTH: 185  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-450-763-35867

Query Match 85.5%; Score 130; DB 5; Length 185;  
Best Local Similarity 89.7%; Pred. No. 3.3e-11;  
Matches 26; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 2 DALNVLAMANNIISKEKKIKWIGLPTNSA 30  
Db 157 DALNVLAMANNIISKEKKIKWIGLPTNSA 185

RESULT 10  
US-10-214-188-10  
Sequence 10, Application US/10214188  
Publication No. US20030022260A1

GENERAL INFORMATION:  
APPLICANT: LA THANGUE, NICHOLAS B.  
BERNARDS, RENE  
HIMANS, ELANORE M.  
TITLE OF INVENTION: TRANSCRIPTION FACTOR E2F-5  
NUMBER OF SEQUENCES: 25  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHAYE P.C.  
STREET: 1100 NORTH GLEBE ROAD  
CITY: ARLINGTON  
STATE: VIRGINIA  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/214,188  
FILING DATE: 08-Aug-2002

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/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/08/894,139
/ FILING DATE: 13-AUG-1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: WILSON, MARY J.
/ REGISTRATION NUMBER: 32,955
/ REFERENCE/DOCKET NUMBER: 620-22
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (703) 816-4000
/ TELEFAX: (703) 816-4100
/ INFORMATION FOR SEQ ID NO: 10:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 74 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: <Unknown>
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-10-214-188-10
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Query Match      82.9%; Score 126; DB 4; Length 74;
Best Local Similarity 100.0%; Pred. No. 4.7e-11;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 YDALNVLAMANNIISKKEIKWIGLPTNS 25
Db      50 YDALNVLAMANNIISKKEIKWIGL 74
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RESULT 11
US-10-856-499-1157
/ Sequence 1157, Application US/10856499
/ Publication No. US20040259145A1
/ GENERAL INFORMATION:
/ APPLICANT: Wood, Marlon
/ APPLICANT: Shenk, Michael A.
/ APPLICANT: McGrath, Annette
/ APPLICANT: Glenn, Matthew
/ TITLE OF INVENTION: Compositions and Methods for the
/ FILE REFERENCE: 11000.1021C2
/ CURRENT APPLICATION NUMBER: US/10/856,499
/ NUMBER OF SEQ ID NOS: 2370
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1157
/ LENGTH: 119
/ TYPE: PRT
/ ORGANISM: Pinus radiata
US-10-856-499-1157
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Query Match      81.6%; Score 124; DB 5; Length 119;
Best Local Similarity 82.8%; Pred. No. 1.6e-10;
Matches 24; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
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Qy      1 YDALNVLAMANNIISKKEIKWIGLPTNS 29
Db      78 YDALNVLAMANNIISKKEIKWIGLPTTN 106
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RESULT 12
US-10-856-499-1056
/ Sequence 1056, Application US/10856499
/ Publication No. US20040259145A1
/ GENERAL INFORMATION:
/ APPLICANT: Wood, Marlon
/ APPLICANT: Shenk, Michael A.
/ APPLICANT: McGrath, Annette
/ APPLICANT: Glenn, Matthew
/ TITLE OF INVENTION: Compositions and Methods for the
/ FILE REFERENCE: 11000.1021C2
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/ CURRENT APPLICATION NUMBER: US/10/856,499
/ CURRENT FILING DATE: 2004-05-28
/ NUMBER OF SEQ ID NOS: 2370
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1056
/ LENGTH: 120
/ TYPE: PRT
/ ORGANISM: Pinus radiata
US-10-856-499-1056
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Query Match      78.3%; Score 119; DB 5; Length 120;
Best Local Similarity 79.3%; Pred. No. 9.1e-10;
Matches 23; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
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Qy      1 YDALNVLAMANNIISKKEIKWIGLPTNS 29
Db      77 YDALNVLAMANNIISKKEIKWIGLPTSTS 105
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RESULT 13
US-09-220-091-7
/ Sequence 7, Application US/09220091
/ Patent No. US20020064523A1
/ GENERAL INFORMATION:
/ APPLICANT: H. Robert Horvitz
/ APPLICANT: Craig Geol
/ APPLICANT: Xiaowei Lu
/ TITLE OF INVENTION: A TUMOR SUPPRESSOR PATHWAY IN C. ELEGANS
/ FILE REFERENCE: 01997/202003
/ CURRENT APPLICATION NUMBER: US/09/220,091
/ CURRENT FILING DATE: 1998-12-23
/ EARLIER APPLICATION NUMBER: 60/047,996
/ EARLIER FILING DATE: 1997-05-28
/ EARLIER APPLICATION NUMBER: 09/087,136
/ EARLIER FILING DATE: 1998-05-28
/ NUMBER OF SEQ ID NOS: 19
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 7
/ LENGTH: 575
/ TYPE: PRT
/ ORGANISM: Caenorhabditis elegans
US-09-220-091-7
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Query Match      78.3%; Score 119; DB 3; Length 575;
Best Local Similarity 70.0%; Pred. No. 5.2e-09;
Matches 21; Conservative 7; Mismatches 2; Indels 0; Gaps 0;
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Qy      1 YDALNVLAMANNIISKKEIKWIGLPTNSA 30
Db      106 YDALNVLAMANNIITKSKDIRWIGLPTASAS 135
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RESULT 14
US-10-425-114-71403
/ Sequence 71403, Application US/10425114
/ Publication No. US20040034888A1
/ GENERAL INFORMATION:
/ APPLICANT: Liu, Jingdong
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Screen, Steven E
/ APPLICANT: Tabaska, Jack E
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
/ FILE REFERENCE: 38-21(5313)B
/ CURRENT APPLICATION NUMBER: US/10/425,114
/ CURRENT FILING DATE: 2003-04-28
/ NUMBER OF SEQ ID NOS: 73128
/ SEQ ID NO 71403
/ LENGTH: 207
/ TYPE: PRT
/ ORGANISM: Zea mays subsp. mexicana
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FEATURE:  
OTHER INFORMATION: Clone ID: UC-ZMROTEOSINTB19B07\_FLI.pep  
US-10-425-114-71403

Query Match 77.0%; Score 117; DB 4; Length 207;  
Best Local Similarity 79.3%; Pred. No. 3.3e-09;  
Matches 23; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 YDALNVLAMNIIISKEKEIKWIGLPTNS 29  
DB 13 YDALNVLAMNDIISKDKKEIQWKGLPRTS 41

RESULT 15

US-10-425-114-36974  
Sequence 36974, Application US/10425114  
Publication No. US20040034888A1  
GENERAL INFORMATION:  
APPLICANT: Liu, Jindong  
APPLICANT: Zhou, Yihua  
APPLICANT: Kovacic, David K.  
APPLICANT: Screen, Steven E  
APPLICANT: Tabaska, Jack E  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(5313)B  
CURRENT APPLICATION NUMBER: US/10/425,114  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 73128  
SEQ ID NO 36974  
LENGTH: 222  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
OTHER INFORMATION: Clone ID: LIB3170-045-C12\_FLI.pep  
US-10-425-114-36974

Query Match 77.0%; Score 117; DB 4; Length 222;  
Best Local Similarity 79.3%; Pred. No. 3.6e-09;  
Matches 23; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 YDALNVLAMNIIISKEKEIKWIGLPTNS 29  
DB 34 YDALNVLAMNDIISKDKKEIQWKGLPRTS 62

Search completed: March 17, 2006, 20:52:11  
Job time : 98.2414 secs

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GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: March 17, 2006, 20:47:42 ; Search time 12.069 Seconds  
(without alignments)  
71.148 Million cell updates/sec

Title: US-09-900-147-6

Perfect score: 152  
Sequence: 1 YDALNVLAMANNIISKKEIKWIGLPTNSA 30

Scoring table: BIOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 169630 seqs, 2862289 residues

Total number of hits satisfying chosen parameters: 169630

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications MA New:  
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5: /cgn2\_6/ptodata/1/pubpaa/US09\_NEM\_PUB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/US10\_NEM\_PUB.pep.\*  
7: /cgn2\_6/ptodata/1/pubpaa/US11\_NEM\_PUB.pep.\*  
8: /cgn2\_6/ptodata/1/pubpaa/US60\_NEM\_PUB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	117	77.0	318	US-11-060-029-21	Sequence 21, Appl
2	117	77.0	344	US-11-060-029-15	Sequence 15, Appl
3	117	77.0	346	US-11-060-029-19	Sequence 19, Appl
4	117	77.0	385	US-11-060-029-2	Sequence 2, Appl
5	117	77.0	386	US-11-060-029-13	Sequence 13, Appl
6	117	77.0	413	US-11-060-029-4	Sequence 4, Appl
7	116	76.3	379	US-11-060-029-17	Sequence 17, Appl
8	114	75.0	353	US-11-060-029-23	Sequence 23, Appl
9	61	40.1	384	US-11-096-568A-2816	Sequence 2816, Ap
10	61	40.1	384	US-11-096-568A-2817	Sequence 2817, Ap
11	61	40.1	385	US-11-096-568A-2815	Sequence 2815, Ap
12	57	37.5	445	US-11-096-568A-18168	Sequence 18168, A
13	57	37.5	444	US-11-096-568A-18167	Sequence 18167, A
14	57	37.5	515	US-11-096-568A-18166	Sequence 18166, A
15	56.5	37.2	121	US-10-967-648A-16	Sequence 16, Appl
16	56.5	37.2	281	US-10-967-648A-12	Sequence 12, Appl
17	56.5	37.2	437	US-10-967-648A-2	Sequence 2, Appl
18	55.5	36.5	85	US-10-863-093-5	Sequence 5, Appl
19	55	36.2	207	US-11-096-568A-20252	Sequence 20252, A
20	55	36.2	278	US-11-096-568A-20251	Sequence 20251, A
21	55	36.2	287	US-11-096-568A-20250	Sequence 20250, A
22	54.5	35.9	437	US-10-967-648A-4	Sequence 4, Appl
23	53.5	35.2	465	US-10-967-648A-6	Sequence 6, Appl
24	51.5	33.9	346	US-10-967-648A-10	Sequence 10, Appl
25	51	33.6	904	US-10-967-648A-14	Sequence 14, Appl

26	50.5	33.2	76	US-10-863-093-6	Sequence 6, Appl
27	50.5	33.2	76	US-10-888-613B-90	Sequence 90, Appl
28	50.5	33.2	413	US-10-967-648A-8	Sequence 8, Appl
29	49.5	32.6	362	US-11-096-568A-20332	Sequence 20332, A
30	49.5	32.6	398	US-11-096-568A-3065	Sequence 3065, Ap
31	49.5	32.6	464	US-11-096-568A-20331	Sequence 20331, A
32	49.5	32.6	466	US-11-096-568A-3067	Sequence 3067, Ap
33	49.5	32.6	466	US-11-096-568A-3067	Sequence 3067, Ap
34	49.5	32.6	528	US-11-096-568A-3064	Sequence 3064, Ap
35	49.5	32.6	545	US-11-096-568A-20330	Sequence 20330, A
36	47.5	31.2	392	US-11-087-099-12003	Sequence 12003, A
37	47.5	31.2	446	US-11-087-099-7122	Sequence 7122, Ap
38	47	30.9	324	US-10-995-561-765	Sequence 765, App
39	47	30.9	324	US-11-124-367A-426	Sequence 426, App
40	47	30.9	556	US-10-995-561-766	Sequence 766, App
41	47	30.9	556	US-10-995-561-767	Sequence 767, App
42	47	30.9	556	US-11-124-367A-427	Sequence 427, App
43	47	30.9	556	US-11-124-367A-428	Sequence 428, App
44	45.5	29.9	367	US-11-096-568A-19243	Sequence 19243, A
45	45.5	29.9	462	US-11-087-099-3735	Sequence 3735, Ap

## ALIGNMENTS

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RESULT 1
US-11-060-029-21
; Sequence 21, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; TITLE OF INVENTION: making the same
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060.029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 21
; LENGTH: 318
; TYPE: PRT
; ORGANISM: Oryza sativa
US-11-060-029-21
Query Match 77.0%; Score 117; DB 7; Length 318;
Best Local Similarity 79.3%; Pred. No. 4.6e-10;
Matches 23; Conservative 3; Mismatches 3; Indels 0; Gaps 0;
Ory 1 YDALNVLAMANNIISKKEIKWIGLPTNS 29
Db 157 YDALNVLAMANNIISKKEIKWIGLPTNS 185
RESULT 2
US-11-060-029-15
; Sequence 15, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; TITLE OF INVENTION: making the same
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060.029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 15
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Oryza sativa
; NAME/KEY: misc feature
; LOCATION: (193)..(193)

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; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-11-060-029-15

Query Match      77.0%; Score 117; DB 7; Length 344;
Best Local Similarity 79.3%; Pred. No. 5.1e-10;
Matches 23; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy      1 YDALNVLMAMNIISKEKEIKWIGLPTNS 29
Db      155 YDALNVLMAMDIISKDKKEIQWKGGLPRTS 183

RESULT 3
US-11-060-029-19
; Sequence 19, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 19
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Oryza sativa
US-11-060-029-19

Query Match      77.0%; Score 117; DB 7; Length 346;
Best Local Similarity 79.3%; Pred. No. 5.1e-10;
Matches 23; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy      1 YDALNVLMAMNIISKEKEIKWIGLPTNS 29
Db      157 YDALNVLMAMDIISKDKKEIQWKGGLPRTS 185

RESULT 4
US-11-060-029-2
; Sequence 2, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 385
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-11-060-029-2

Query Match      77.0%; Score 117; DB 7; Length 385;
Best Local Similarity 79.3%; Pred. No. 5.8e-10;
Matches 23; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy      1 YDALNVLMAMNIISKEKEIKWIGLPTNS 29
Db      159 YDALNVLMAMDIISKDKKEIQWKGGLPRTS 187

RESULT 5
US-11-060-029-13
; Sequence 13, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
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; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 13
; LENGTH: 386
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURES:
; NAME/KEY: misc_feature
; LOCATION: (40)..(40)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; NAME/KEY: misc_feature
; LOCATION: (102)..(102)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-11-060-029-13

Query Match      77.0%; Score 117; DB 7; Length 386;
Best Local Similarity 79.3%; Pred. No. 5.8e-10;
Matches 23; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy      1 YDALNVLMAMNIISKEKEIKWIGLPTNS 29
Db      192 YDALNVLMAMDIISKDKKEIQWKGGLPRTS 220

RESULT 6
US-11-060-029-4
; Sequence 4, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 413
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-11-060-029-4

Query Match      77.0%; Score 117; DB 7; Length 413;
Best Local Similarity 79.3%; Pred. No. 6.2e-10;
Matches 23; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy      1 YDALNVLMAMNIISKEKEIKWIGLPTNS 29
Db      176 YDALNVLMAMDIISKDKKEIQWKGGLPRTS 204

RESULT 7
US-11-060-029-17
; Sequence 17, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 17
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LENGTH: 379  
TYPE: PRT  
ORGANISM: Oryza sativa  
US-11-060-029-17

Query Match 76.3% Score 116, DB 7, Length 379,  
Best Local Similarity 79.3% Pred. No. 8e-10;  
Matches 23; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 1 YDALNVLMANNIISKKEIKWIGLPTNS 29  
DB 185 YDALNVLMANNIISKKEIKWIGLPTNS 213

## RESULT 8

US-11-060-029-23  
Sequence 23, Application US/11060029  
Publication No. US20050268358A1  
GENERAL INFORMATION:  
APPLICANT: CropDesign N.V.  
TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
TITLE OF INVENTION: making the same  
FILE REFERENCE: CD-113-prio  
CURRENT APPLICATION NUMBER: US/11/060,029  
CURRENT FILING DATE: 2005-02-17  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 23  
LENGTH: 353  
TYPE: PRT  
ORGANISM: Populus tremula x Populus tremuloides  
US-11-060-029-23

Query Match 75.0% Score 114, DB 7, Length 353,  
Best Local Similarity 75.9% Pred. No. 1.5e-09;  
Matches 22; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1 YDALNVLMANNIISKKEIKWIGLPTNS 29  
DB 159 YDALNVLMANNIISKKEIKWIGLPTNS 187

## RESULT 9

US-11-096-568A-2816  
Sequence 2816, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
TITLE OF INVENTION: Therby  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 2816  
LENGTH: 384  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (1)..(384)  
OTHER INFORMATION: Ceres Seq. ID no. 12610325  
US-11-096-568A-2816

Query Match 40.1% Score 61, DB 7, Length 384,  
Best Local Similarity 43.3% Pred. No. 0.15;  
Matches 13; Conservative 3; Mismatches 8; Indels 6; Gaps 1;

QY 1 YDALNVLMANNIISK-----EKKEIKWIG 24  
DB 209 YDIANVLSSMNLIEKHTTLDLRKPAFKWLG 238

RESULT 10  
US-11-096-568A-2817  
Sequence 2817, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
TITLE OF INVENTION: Therby  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 2817  
LENGTH: 384  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (1)..(384)  
OTHER INFORMATION: Ceres Seq. ID no. 16625362  
US-11-096-568A-2817

Query Match 40.1% Score 61, DB 7, Length 384,  
Best Local Similarity 43.3% Pred. No. 0.15;  
Matches 13; Conservative 3; Mismatches 8; Indels 6; Gaps 1;

QY 1 YDALNVLMANNIISK-----EKKEIKWIG 24  
DB 209 YDIANVLSSMNLIEKHTTLDLRKPAFKWLG 238

## RESULT 11

US-11-096-568A-2815  
Sequence 2815, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
TITLE OF INVENTION: Therby  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 2815  
LENGTH: 385  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (1)..(385)  
OTHER INFORMATION: Ceres Seq. ID no. 12610324  
US-11-096-568A-2815

Query Match 40.1% Score 61, DB 7, Length 385,  
Best Local Similarity 43.3% Pred. No. 0.15;  
Matches 13; Conservative 3; Mismatches 8; Indels 6; Gaps 1;

QY 1 YDALNVLMANNIISK-----EKKEIKWIG 24  
DB 210 YDIANVLSSMNLIEKHTTLDLRKPAFKWLG 239

## RESULT 12

US-11-096-568A-18168  
Sequence 18168, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
TITLE OF INVENTION: Therby  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01

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; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 18168
; LENGTH: 425
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(425)
; OTHER INFORMATION: Ceres Seq. ID no. 12363306
US-11-096-568A-18168

Query Match      37.5%; Score 57; DB 7; Length 425;
Best Local Similarity 36.4%; Pred. No. 0.66;
Matches 12; Conservative 5; Mismatches 10; Indels 6; Gaps 1;

QY      1 YDALNVLMANNIISK-----EKKEIKWIGLPT 27
DB      235 YDIANVLSSINLEKIHQGSRKPAFRWLGRAT 267

RESULT 13
US-11-096-568A-18167
; Sequence 18167, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; TITLE OF INVENTION: Thierby
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 18167
; LENGTH: 444
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(444)
; OTHER INFORMATION: Ceres Seq. ID no. 12363305
US-11-096-568A-18167

Query Match      37.5%; Score 57; DB 7; Length 444;
Best Local Similarity 36.4%; Pred. No. 0.7;
Matches 12; Conservative 5; Mismatches 10; Indels 6; Gaps 1;

QY      1 YDALNVLMANNIISK-----EKKEIKWIGLPT 27
DB      254 YDIANVLSSINLEKIHQGSRKPAFRWLGRAT 286

RESULT 14
US-11-096-568A-18166
; Sequence 18166, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; TITLE OF INVENTION: Thierby
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 18166
; LENGTH: 515
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(515)
; OTHER INFORMATION: Ceres Seq. ID no. 12363304
US-11-096-568A-18166
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Query Match      37.5%; Score 57; DB 7; Length 515;
Best Local Similarity 36.4%; Pred. No. 0.83;
Matches 12; Conservative 5; Mismatches 10; Indels 6; Gaps 1;

QY      1 YDALNVLMANNIISK-----EKKEIKWIGLPT 27
DB      325 YDIANVLSSINLEKIHQGSRKPAFRWLGRAT 357

RESULT 15
US-10-967-648A-16
; Sequence 16, Application US/10967648A
; Publication No. US20050245473A1
; GENERAL INFORMATION:
; APPLICANT: Saunders, Nicholas A
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
; TITLE OF INVENTION: therefor
; FILE REFERENCE: 12493972
; CURRENT APPLICATION NUMBER: US/10/967,648A
; CURRENT FILING DATE: 2004-10-15
; PRIOR APPLICATION NUMBER: USSN 60/512010
; PRIOR FILING DATE: 2003-10-16
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 16
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Human
US-10-967-648A-16

Query Match      37.2%; Score 56.5; DB 6; Length 121;
Best Local Similarity 42.9%; Pred. No. 0.19;
Matches 12; Conservative 6; Mismatches 9; Indels 1; Gaps 1;

QY      1 YDALNVLMANNIISK--KKEIKWIGLPT 27
DB      54 YDITVLEGIQLIKKSKNHIOWLGSHT 81

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Job time : 12.069 secs
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GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: March 17, 2006, 21:14:49 ; Search time 13.0909 Seconds  
(without alignments)  
34.984 Million cell updates/sec

Title: US-09-900-147-5  
Perfect score: 76  
Sequence: 1 RYVDALNVLMMNNIIS 16

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Searched: 169630 seqs, 2862289 residues

Total number of hits satisfying chosen parameters: 169630

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 1000 summaries

Database : Published Applications AA New:\*  
1: /cgn2\_6/ptodata/1/pubppaa/US08\_NEW\_PUB.pep:\*  
2: /cgn2\_6/ptodata/1/pubppaa/US06\_NEW\_PUB.pep:\*  
3: /cgn2\_6/ptodata/1/pubppaa/US07\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/1/pubppaa/PCR\_NEW\_PUB.pep:\*  
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6: /cgn2\_6/ptodata/1/pubppaa/US10\_NEW\_PUB.pep:\*  
7: /cgn2\_6/ptodata/1/pubppaa/US11\_NEW\_PUB.pep:\*  
8: /cgn2\_6/ptodata/1/pubppaa/US60\_NEW\_PUB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	71	93.4	318	7	US-11-060-029-21
2	71	93.4	344	7	US-11-060-029-15
3	71	93.4	346	7	US-11-060-029-19
4	71	93.4	385	7	US-11-060-029-2
5	71	93.4	386	7	US-11-060-029-13
6	71	93.4	413	7	US-11-060-029-4
7	70	92.1	379	7	US-11-060-029-17
8	68	89.5	353	7	US-11-060-029-23
9	48	63.2	384	7	US-11-096-568A-2816
10	48	63.2	384	7	US-11-096-568A-2817
11	48	63.2	385	7	US-11-096-568A-2815
12	46	60.5	904	6	US-10-967-648A-14
13	45	59.2	207	7	US-11-096-568A-20252
14	45	59.2	278	7	US-11-096-568A-20251
15	45	59.2	287	7	US-11-096-568A-20250
16	45	59.2	425	7	US-11-096-568A-18168
17	45	59.2	444	7	US-11-096-568A-18167
18	45	59.2	515	7	US-11-096-568A-18166
19	39	51.3	85	6	US-10-863-093-5
20	39	51.3	121	6	US-10-967-648A-16
21	39	51.3	346	6	US-10-967-648A-10
22	39	51.3	367	7	US-11-096-568A-19243
23	39	51.3	437	6	US-10-967-648A-2
24	39	51.3	465	6	US-11-096-568A-6
25	39	51.3	468	7	US-11-096-568A-19242

26	39	51.3	488	7	US-11-096-568A-19241	Sequence 19241, A
27	38	50.0	76	6	US-10-863-093-6	Sequence 6, Appl1
28	38	50.0	76	6	US-10-888-613B-90	Sequence 90, Appl1
29	38	50.0	281	6	US-10-967-648A-12	Sequence 12, Appl1
30	38	50.0	362	7	US-11-096-568A-20332	Sequence 20332, A
31	38	50.0	362	7	US-11-096-568A-3066	Sequence 3066, A
32	38	50.0	413	6	US-10-967-648A-8	Sequence 8, Appl1
33	38	50.0	437	6	US-10-967-648A-4	Sequence 4, Appl1
34	38	50.0	464	7	US-11-096-568A-20331	Sequence 20331, A
35	38	50.0	466	7	US-11-096-568A-3065	Sequence 3065, Ap
36	38	50.0	466	7	US-11-096-568A-3067	Sequence 3067, Ap
37	38	50.0	545	7	US-11-096-568A-3064	Sequence 3064, Ap
38	38	50.0	528	7	US-11-096-568A-20330	Sequence 20330, A
39	37	48.7	361	6	US-10-763-112A-122	Sequence 122, App
40	37	48.7	462	7	US-11-087-099-1735	Sequence 3735, Ap
41	37	48.7	489	7	US-11-087-099-748	Sequence 748, App
42	36	47.4	113	7	US-11-096-568A-152	Sequence 152, App
43	36	47.4	113	7	US-11-096-568A-153	Sequence 153, App
44	36	47.4	134	7	US-11-096-568A-14850	Sequence 14850, A
45	36	47.4	321	6	US-10-793-626-1526	Sequence 1526, Ap
46	36	47.4	651	7	US-11-172-145-10	Sequence 10, Appl
47	35	46.1	446	7	US-11-087-099-7122	Sequence 7122, Ap
48	35	46.1	580	6	US-10-821-224-1309	Sequence 1309, Ap
49	35	46.1	580	6	US-10-526-508-4	Sequence 4, Appl1
50	35	44.7	225	7	US-11-053-076-272	Sequence 272, App
51	34	44.7	228	6	US-10-517-622-20	Sequence 20, Appl
52	34	44.7	244	7	US-11-087-099-10643	Sequence 10643, A
53	34	44.7	282	7	US-11-096-568A-29200	Sequence 29200, A
54	34	44.7	322	7	US-11-096-568A-1423	Sequence 1423, Ap
55	34	44.7	344	7	US-11-096-568A-12954	Sequence 12954, A
56	34	44.7	351	7	US-11-096-568A-12953	Sequence 12953, A
57	34	44.7	361	7	US-11-116-144-29	Sequence 29, Appl
58	34	44.7	366	7	US-11-087-099-8278	Sequence 8278, Ap
59	34	44.7	369	7	US-11-096-568A-29199	Sequence 29199, A
60	34	44.7	412	7	US-11-181-091-34	Sequence 34, Appl
61	34	44.7	435	7	US-11-150-845-26	Sequence 26, Appl
62	34	44.7	435	7	US-11-150-845-26	Sequence 26, Appl
63	34	44.7	436	7	US-11-150-845-32	Sequence 32, Appl
64	34	44.7	436	7	US-11-150-847-32	Sequence 32, Appl
65	34	44.7	437	7	US-11-150-845-28	Sequence 28, Appl
66	34	44.7	437	7	US-11-150-845-28	Sequence 28, Appl
67	34	44.7	437	7	US-11-150-847-88	Sequence 88, Appl
68	34	44.7	437	7	US-11-150-847-88	Sequence 88, Appl
69	34	44.7	439	7	US-11-096-568A-5501	Sequence 5501, Ap
70	34	44.7	458	6	US-10-454-437-340	Sequence 340, App
71	34	44.7	458	7	US-11-096-568A-5500	Sequence 5500, Ap
72	34	44.7	464	7	US-11-096-568A-5499	Sequence 5499, Ap
73	34	44.7	485	7	US-11-087-099-9728	Sequence 9728, Ap
74	34	44.7	487	7	US-11-087-099-6476	Sequence 6476, Ap
75	34	44.7	487	7	US-11-087-099-6974	Sequence 6974, Ap
76	34	44.7	489	7	US-11-087-099-12123	Sequence 12123, Ap
77	34	44.7	498	7	US-11-087-099-12124	Sequence 12124, A
78	34	44.7	505	7	US-11-087-099-6925	Sequence 6925, Ap
79	34	44.7	514	7	US-11-207-078-605	Sequence 605, App
80	34	44.7	515	7	US-11-207-078-604	Sequence 604, App
81	34	44.7	517	6	US-10-934-944-230	Sequence 230, App
82	34	44.7	517	7	US-11-116-881A-239	Sequence 239, App
83	34	44.7	517	7	US-11-207-078-606	Sequence 606, App
84	34	44.7	530	7	US-11-207-078-603	Sequence 603, App
85	34	44.7	538	7	US-11-207-078-602	Sequence 602, App
86	34	44.7	564	7	US-11-096-568A-28361	Sequence 28361, A
87	34	44.7	590	7	US-11-096-568A-28360	Sequence 28360, A
88	34	44.7	614	7	US-11-150-845-34	Sequence 34, Appl
89	34	44.7	614	7	US-11-150-847-34	Sequence 34, Appl
90	34	44.7	617	7	US-11-150-845-46	Sequence 46, Appl
91	34	44.7	617	7	US-11-150-845-46	Sequence 46, Appl
92	34	44.7	649	7	US-11-150-845-18	Sequence 18, Appl
93	34	44.7	649	7	US-11-150-845-22	Sequence 22, Appl
94	34	44.7	649	7	US-11-150-847-18	Sequence 18, Appl
95	34	44.7	649	7	US-11-150-847-18	Sequence 18, Appl
96	34	44.7	701	7	US-11-096-568A-28359	Sequence 28359, A
97	34	44.7	784	6	US-10-873-528-36	Sequence 36, Appl
98	34	44.7	3157	7	US-11-052-554A-142	Sequence 142, App

99	33.5	44.1	301	7	US-11-087-039-11444	Sequence 11444, A	172	31	40.8	158	7	US-11-166-609-4	Sequence 4, App1
100	33	43.4	132	6	US-10-821-234-1218	Sequence 1218, Ap	173	31	40.8	160	6	US-10-793-626-3040	Sequence 3040, A
101	33	43.4	144	7	US-11-096-568A-849	Sequence 849, App	174	31	40.8	164	7	US-11-096-568A-13059	Sequence 13059, A
102	33	43.4	161	6	US-10-467-657-22	Sequence 22, App1	175	31	40.8	264	6	US-10-778-636-3	Sequence 3, App1
103	33	43.4	161	6	US-10-467-657-6198	Sequence 6198, Ap	176	31	40.8	264	6	US-10-778-636-4	Sequence 4, App1
104	33	43.4	176	7	US-11-096-568A-848	Sequence 848, App	177	31	40.8	265	7	US-11-146-093-2	Sequence 2, App1
105	33	43.4	266	6	US-10-793-626-1974	Sequence 1974, Ap	178	31	40.8	266	7	US-11-087-099-967	Sequence 967, App
106	33	43.4	283	7	US-11-165-067A-21	Sequence 21, App1	179	31	40.8	277	7	US-11-072-512-3046	Sequence 8501, Ap
107	33	43.4	293	7	US-11-096-568A-3288	Sequence 3288, Ap	180	31	40.8	291	6	US-10-821-334-1560	Sequence 3046, Ap
108	33	43.4	298	7	US-11-156-084-322	Sequence 222, App	181	31	40.8	291	6	US-10-821-334-1560	Sequence 1560, Ap
109	33	43.4	306	6	US-10-467-657-2476	Sequence 2476, Ap	182	31	40.8	311	7	US-11-096-568A-1619	Sequence 1619, Ap
110	33	43.4	313	7	US-11-096-568A-3287	Sequence 3287, Ap	183	31	40.8	352	7	US-11-087-099-10074	Sequence 10074, A
111	33	43.4	313	7	US-11-096-568A-3289	Sequence 3289, Ap	184	31	40.8	361	7	US-11-129-143-108	Sequence 108, App
112	33	43.4	326	7	US-11-156-084-198	Sequence 198, App	185	31	40.8	367	7	US-11-087-099-8524	Sequence 8524, Ap
113	33	43.4	342	7	US-11-096-568A-3286	Sequence 3286, Ap	186	31	40.8	372	7	US-11-096-568A-13058	Sequence 13058, A
114	33	43.4	344	7	US-11-087-099-977	Sequence 977, App	187	31	40.8	376	7	US-11-096-568A-13057	Sequence 13057, A
115	33	43.4	377	7	US-11-096-568A-12593	Sequence 12593, A	188	31	40.8	435	7	US-11-087-099-11022	Sequence 11022, A
116	33	43.4	388	7	US-11-096-568A-12592	Sequence 12592, A	189	31	40.8	446	7	US-11-087-099-3804	Sequence 3804, Ap
117	33	43.4	442	7	US-11-087-099-3716	Sequence 3716, Ap	190	31	40.8	449	7	US-11-087-099-1709	Sequence 1709, Ap
118	33	43.4	443	7	US-11-096-568A-33969	Sequence 33969, A	191	31	40.8	459	7	US-11-087-099-2455	Sequence 2455, Ap
119	33	43.4	458	7	US-11-000-463-350	Sequence 350, App	192	31	40.8	462	7	US-11-087-099-8611	Sequence 8611, Ap
120	33	43.4	458	7	US-11-000-463-822	Sequence 822, App	193	31	40.8	465	6	US-10-467-657-1292	Sequence 1292, Ap
121	33	43.4	465	6	US-10-878-556A-116	Sequence 116, App	194	31	40.8	467	7	US-11-096-568A-3258	Sequence 3258, Ap
122	33	43.4	466	7	US-11-173-672-1	Sequence 1, App1	195	31	40.8	492	6	US-10-793-626-770	Sequence 770, App
123	33	43.4	468	7	US-11-096-568A-9180	Sequence 9180, Ap	196	31	40.8	509	7	US-11-155-288-8	Sequence 8, App1
124	33	43.4	474	7	US-11-024-959-383	Sequence 383, App	197	31	40.8	518	7	US-11-166-609-9-12	Sequence 13, App1
125	33	43.4	474	7	US-11-087-099-7037	Sequence 7037, Ap	198	31	40.8	532	7	US-11-166-609-22	Sequence 22, App1
126	33	43.4	474	7	US-11-087-099-7585	Sequence 7585, Ap	199	31	40.8	538	7	US-11-166-609-21	Sequence 21, App1
127	33	43.4	506	7	US-11-096-568A-33968	Sequence 33968, A	200	31	40.8	544	7	US-11-166-609-18	Sequence 18, App1
128	33	43.4	508	7	US-11-087-099-9085	Sequence 9085, Ap	201	31	40.8	546	7	US-11-166-609-2	Sequence 2, App1
129	33	43.4	509	7	US-11-096-568A-9179	Sequence 9179, Ap	202	31	40.8	582	7	US-11-201-916-24	Sequence 24, App1
130	33	43.4	509	7	US-11-096-568A-9181	Sequence 9181, Ap	203	31	40.8	605	7	US-11-098-866-11114	Sequence 11114, A
131	33	43.4	513	7	US-11-087-099-1119	Sequence 1119, Ap	204	31	40.8	666	7	US-11-098-686-11016	Sequence 11016, A
132	33	43.4	576	7	US-11-201-916-39	Sequence 29, App1	205	31	40.8	713	6	US-10-467-657-1012	Sequence 1012, Ap
133	33	43.4	624	7	US-11-096-568A-33967	Sequence 33967, A	206	31	40.8	713	7	US-11-190-799-2	Sequence 2, App1
134	33	43.4	754	6	US-10-467-662B-63	Sequence 63, App1	207	31	40.8	713	7	US-11-190-799-4	Sequence 4, App1
135	33	43.4	1026	6	US-11-169-041-205	Sequence 205, App1	208	31	40.8	733	7	US-11-103-957-97	Sequence 97, App1
136	33	43.4	1127	6	US-10-858-730-13	Sequence 13, App1	209	31	40.8	831	7	US-11-098-686-10875	Sequence 10875, A
137	32.5	42.8	283	7	US-11-186-284-99	Sequence 99, App1	210	31	40.8	945	7	US-11-019-711-121	Sequence 121, App
138	32.5	42.8	305	7	US-11-087-099-5438	Sequence 5438, Ap	211	31	40.8	989	7	US-11-096-568A-29282	Sequence 29282, A
139	32	42.1	187	7	US-11-087-099-9124	Sequence 9124, Ap	212	31	40.8	1063	7	US-11-096-568A-29281	Sequence 29281, A
140	32	42.1	195	7	US-11-087-099-3109	Sequence 3109, Ap	213	31	40.8	1124	6	US-10-858-730-12	Sequence 12, App1
141	32	42.1	248	7	US-11-052-554A-81	Sequence 81, App1	214	31	40.8	1184	7	US-11-096-568A-29280	Sequence 29280, A
142	32	42.1	259	7	US-11-087-099-11217	Sequence 11217, A	215	31	40.8	2145	7	US-11-087-099-10331	Sequence 10331, A
143	32	42.1	270	7	US-11-096-568A-22038	Sequence 22038, A	216	31	40.8	3132	7	US-11-087-099-1245	Sequence 1245, Ap
144	32	42.1	361	7	US-11-096-568A-30561	Sequence 30561, A	217	30	39.5	111	7	US-11-087-099-596	Sequence 596, App
145	32	42.1	405	7	US-11-096-568A-28005	Sequence 28005, A	218	30	39.5	111	7	US-11-096-568A-19081	Sequence 19081, A
146	32	42.1	495	6	US-10-821-234-1154	Sequence 1154, Ap	219	30	39.5	143	7	US-11-156-084-89	Sequence 89, App1
147	32	42.1	550	6	US-11-098-686-10474	Sequence 10474, A	220	30	39.5	147	7	US-11-055-822-466	Sequence 466, App1
148	32	42.1	570	7	US-11-096-568A-33137	Sequence 33137, A	221	30	39.5	158	7	US-11-096-568A-19080	Sequence 19080, A
149	32	42.1	578	7	US-11-096-568A-33136	Sequence 33136, A	222	30	39.5	175	7	US-11-096-568A-19079	Sequence 19079, A
150	32	42.1	630	7	US-11-096-568A-33135	Sequence 33135, A	223	30	39.5	177	7	US-11-156-084-90	Sequence 90, App1
151	32	42.1	766	7	US-11-144-985-9	Sequence 9, App1	224	30	39.5	179	6	US-10-467-657-7772	Sequence 7772, Ap
152	32	42.1	858	7	US-11-096-568A-30989	Sequence 30989, A	225	30	39.5	180	7	US-11-098-686-10905	Sequence 10905, A
153	32	42.1	936	7	US-11-096-568A-30988	Sequence 30988, A	226	30	39.5	182	7	US-11-096-568A-11381	Sequence 11381, A
154	32	42.1	995	7	US-11-096-568A-30987	Sequence 30987, A	227	30	39.5	183	6	US-10-793-626-1320	Sequence 1320, Ap
155	32	42.1	1140	6	US-10-858-730-208	Sequence 208, App	228	30	39.5	185	7	US-11-098-686-10308	Sequence 10308, A
156	32	42.1	1387	7	US-11-077-386-28	Sequence 28, App1	229	30	39.5	192	7	US-11-096-568A-11380	Sequence 11380, A
157	32	42.1	1481	7	US-11-077-386-30	Sequence 30, App1	230	30	39.5	207	7	US-11-129-104-98	Sequence 98, App1
158	32	42.1	1798	7	US-11-080-991-36	Sequence 96, App1	231	30	39.5	216	7	US-11-096-568A-5121	Sequence 5121, App
159	32	42.1	1960	7	US-11-077-386-29	Sequence 29, App1	232	30	39.5	225	6	US-10-485-517-143	Sequence 143, App
160	32	42.1	2061	7	US-11-077-386-27	Sequence 27, App1	233	30	39.5	225	7	US-11-252-663-6	Sequence 6, App1
161	32	42.1	2061	7	US-11-169-041-179	Sequence 179, App	234	30	39.5	239	7	US-11-096-568A-5120	Sequence 5120, Ap
162	32	42.1	4374	7	US-11-128-572-2	Sequence 2, App1	235	30	39.5	244	7	US-11-096-568A-24795	Sequence 24795, A
163	32	42.1	5291	7	US-11-052-554A-281	Sequence 281, App	236	30	39.5	249	7	US-11-096-568A-25325	Sequence 25325, A
164	31.5	41.4	404	7	US-11-096-568A-5191	Sequence 5191, Ap	237	30	39.5	251	7	US-11-096-568A-22675	Sequence 22675, A
165	31.5	41.4	435	7	US-11-096-568A-5190	Sequence 5190, Ap	238	30	39.5	263	6	US-10-467-657-8478	Sequence 8478, Ap
166	31.5	41.4	458	7	US-11-096-568A-5189	Sequence 5189, Ap	239	30	39.5	269	7	US-11-096-568A-22674	Sequence 22674, A
167	31.5	41.4	572	6	US-10-763-712A-11	Sequence 11, App1	240	30	39.5	265	7	US-11-098-686-10694	Sequence 10694, A
168	31.5	41.4	572	6	US-10-763-712A-109	Sequence 109, App	241	30	39.5	265	7	US-11-096-568A-25324	Sequence 25324, A
169	31	40.8	51	7	US-11-000-463-362	Sequence 362, App	242	30	39.5	271	6	US-10-467-657-7690	Sequence 7690, Ap
170	31	40.8	51	7	US-11-000-463-834	Sequence 834, App	243	30	39.5	272	7	US-11-087-099-10650	Sequence 10650, A
171	31	40.8	156	6	US-10-821-234-1424	Sequence 1424, Ap	244	30	39.5	298	7	US-11-096-568A-22673	Sequence 22673, A

245	30	39.5	306	7	US-11-102-497-13	Sequence 13, Appl	318	29	38.2	149	6	US-10-467-657-8827	Sequence 8827, Ap
246	30	39.5	307	7	US-11-096-568A-11379	Sequence 11379, A	319	29	38.2	161	7	US-11-087-099-5561	Sequence 5561, Ap
247	30	39.5	334	6	US-10-858-730-114	Sequence 114, App	320	29	38.2	210	7	US-11-096-568A-20745	Sequence 20745, A
248	30	39.5	334	7	US-11-098-686-10496	Sequence 10496, A	321	29	38.2	219	7	US-11-096-568A-14650	Sequence 14650, A
249	30	39.5	337	7	US-11-087-099-1639	Sequence 3639, Ap	322	29	38.2	224	7	US-11-098-686-10609	Sequence 10609, A
250	30	39.5	352	7	US-11-087-099-3715	Sequence 3715, Ap	323	29	38.2	227	7	US-11-022-562-230	Sequence 230, App
251	30	39.5	353	7	US-11-096-568A-27271	Sequence 27271, A	324	29	38.2	227	7	US-11-096-568A-20744	Sequence 20744, A
252	30	39.5	357	7	US-11-096-568A-27270	Sequence 27270, A	325	29	38.2	240	7	US-11-098-686-11433	Sequence 11433, A
253	30	39.5	387	7	US-11-098-686-11142	Sequence 11142, A	326	29	38.2	251	6	US-10-467-657-8827	Sequence 440, App
254	30	39.5	392	7	US-11-096-568A-32668	Sequence 32668, A	327	29	38.2	260	7	US-11-096-568A-22533	Sequence 22533, A
255	30	39.5	398	7	US-11-087-099-5349	Sequence 5349, Ap	328	29	38.2	261	7	US-11-087-099-12359	Sequence 12359, A
256	30	39.5	408	7	US-11-087-099-10788	Sequence 10788, A	329	29	38.2	267	6	US-10-793-626-1508	Sequence 1508, Ap
257	30	39.5	419	7	US-11-087-099-10606	Sequence 10606, A	330	29	38.2	267	7	US-11-087-099-10132	Sequence 10132, A
258	30	39.5	424	7	US-11-096-568A-26440	Sequence 26440, A	331	29	38.2	273	6	US-10-793-626-166	Sequence 166, App
259	30	39.5	429	7	US-11-096-568A-32667	Sequence 32667, A	332	29	38.2	275	6	US-10-465-517-747	Sequence 347, App
260	30	39.5	430	7	US-11-087-099-6449	Sequence 6449, Ap	333	29	38.2	276	6	US-10-524-647-98	Sequence 98, Appl
261	30	39.5	434	7	US-11-096-568A-27269	Sequence 27269, A	334	29	38.2	276	6	US-10-524-647-98	Sequence 82, Appl
262	30	39.5	445	6	US-10-467-657-1584	Sequence 1584, Ap	335	29	38.2	282	7	US-11-096-568A-20743	Sequence 20743, A
263	30	39.5	448	7	US-11-087-099-1085	Sequence 3085, Ap	336	29	38.2	319	7	US-11-055-822-498	Sequence 498, App
264	30	39.5	450	7	US-11-087-099-4313	Sequence 4313, Ap	337	29	38.2	326	7	US-11-087-099-9099	Sequence 9099, Ap
265	30	39.5	457	7	US-11-087-099-9561	Sequence 9561, Ap	338	29	38.2	341	6	US-10-793-626-1226	Sequence 226, App
266	30	39.5	474	7	US-11-096-568A-20335	Sequence 20335, A	339	29	38.2	341	7	US-11-087-099-1083	Sequence 3083, Ap
267	30	39.5	483	7	US-11-024-959-494	Sequence 494, App	340	29	38.2	341	7	US-11-087-099-3768	Sequence 3768, Ap
268	30	39.5	484	7	US-11-096-568A-20334	Sequence 20334, A	341	29	38.2	341	7	US-11-096-568A-23537	Sequence 23537, A
269	30	39.5	486	7	US-11-087-099-3159	Sequence 3159, Ap	342	29	38.2	345	7	US-11-087-099-7471	Sequence 7471, Ap
270	30	39.5	486	7	US-11-096-568A-32666	Sequence 32666, A	343	29	38.2	345	7	US-11-087-099-8433	Sequence 8433, Ap
271	30	39.5	490	7	US-11-087-099-9461	Sequence 9461, Ap	344	29	38.2	346	6	US-10-793-626-1226	Sequence 226, App
272	30	39.5	491	7	US-11-087-099-6597	Sequence 6597, Ap	345	29	38.2	347	7	US-11-087-099-1083	Sequence 3083, Ap
273	30	39.5	503	7	US-11-096-568A-26439	Sequence 26439, A	346	29	38.2	347	7	US-11-087-099-3768	Sequence 3768, Ap
274	30	39.5	511	7	US-11-135-667-35	Sequence 35, Appl	347	29	38.2	347	7	US-11-096-568A-23537	Sequence 23537, A
275	30	39.5	513	7	US-11-135-667-54	Sequence 54, Appl	348	29	38.2	347	7	US-11-087-099-7471	Sequence 7471, Ap
276	30	39.5	528	7	US-11-096-568A-26438	Sequence 26438, A	349	29	38.2	347	7	US-11-087-099-8433	Sequence 8433, Ap
277	30	39.5	533	6	US-10-467-657-2868	Sequence 2868, Ap	350	29	38.2	350	7	US-11-087-099-9099	Sequence 9099, Ap
278	30	39.5	557	7	US-11-096-568A-1828	Sequence 1828, Ap	351	29	38.2	358	7	US-11-096-568A-22532	Sequence 22532, A
279	30	39.5	558	7	US-11-096-568A-26137	Sequence 26137, A	352	29	38.2	359	7	US-11-096-568A-28150	Sequence 28150, A
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281	30	39.5	573	7	US-11-098-686-10857	Sequence 10857, A	354	29	38.2	373	7	US-11-096-568A-28149	Sequence 28149, A
282	30	39.5	574	7	US-11-096-568A-26135	Sequence 26135, A	355	29	38.2	378	7	US-11-229-371-82	Sequence 42, Appl
283	30	39.5	587	7	US-11-096-568A-1827	Sequence 1827, Ap	356	29	38.2	378	7	US-11-229-371-82	Sequence 88, Appl
284	30	39.5	592	7	US-11-096-568A-1826	Sequence 1826, Ap	357	29	38.2	378	7	US-11-228-923-82	Sequence 42, Appl
285	30	39.5	615	7	US-11-172-145-6	Sequence 6, Appl1	358	29	38.2	378	7	US-11-228-923-82	Sequence 88, Appl
286	30	39.5	617	7	US-11-172-145-8	Sequence 8, Appl1	359	29	38.2	378	7	US-11-228-923-82	Sequence 88, Appl
287	30	39.5	684	7	US-11-096-568A-27647	Sequence 27647, A	360	29	38.2	378	7	US-11-228-923-82	Sequence 88, Appl
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290	30	39.5	772	7	US-11-087-099-11261	Sequence 11261, A	363	29	38.2	394	7	US-11-229-371-94	Sequence 94, Appl
291	30	39.5	783	7	US-11-087-099-6000	Sequence 6000, Ap	364	29	38.2	394	7	US-11-228-923-94	Sequence 94, Appl
292	30	39.5	795	6	US-10-532-153-12	Sequence 12, Appl	365	29	38.2	394	6	US-11-228-923-94	Sequence 94, Appl
293	30	39.5	795	6	US-10-532-153-21	Sequence 21, Appl	366	29	38.2	396	6	US-10-055-877-158	Sequence 158, App
294	30	39.5	845	7	US-11-096-568A-28842	Sequence 28842, A	367	29	38.2	404	7	US-11-052-554A-322	Sequence 322, App
295	30	39.5	897	7	US-11-096-568A-28841	Sequence 28841, A	368	29	38.2	411	6	US-10-793-626-1156	Sequence 3156, Ap
296	30	39.5	912	7	US-11-096-568A-28840	Sequence 28840, A	369	29	38.2	414	7	US-11-096-568A-23357	Sequence 23357, A
297	30	39.5	913	7	US-11-096-568A-30511	Sequence 30511, A	370	29	38.2	415	7	US-11-096-568A-28148	Sequence 28148, A
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299	30	39.5	1020	7	US-11-096-568A-30510	Sequence 30510, A	372	29	38.2	420	7	US-11-124-367A-420	Sequence 420, App
300	30	39.5	1023	7	US-11-096-568A-30509	Sequence 30509, A	373	29	38.2	420	7	US-11-228-923-90	Sequence 90, Appl
301	30	39.5	1072	7	US-11-096-568A-27848	Sequence 27848, A	374	29	38.2	420	7	US-11-228-923-90	Sequence 90, Appl
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303	30	39.5	1181	7	US-11-096-568A-27847	Sequence 27847, A	376	29	38.2	430	7	US-11-096-568A-23356	Sequence 23356, A
304	30	39.5	1189	7	US-11-096-568A-27846	Sequence 27846, A	377	29	38.2	432	7	US-11-096-568A-3180	Sequence 3180, Ap
305	30	39.5	1451	7	US-11-046-346-1	Sequence 1, Appl1	378	29	38.2	432	7	US-11-096-568A-3181	Sequence 3181, Ap
306	29.5	38.8	123	7	US-11-087-099-3634	Sequence 3634, Ap	379	29	38.2	433	6	US-11-087-099-2288	Sequence 2288, Ap
307	29.5	38.8	457	7	US-11-087-099-1111	Sequence 1111, Ap	380	29	38.2	436	6	US-10-517-939-10	Sequence 10, Appl
308	29.5	38.8	503	7	US-11-087-099-5776	Sequence 9776, Ap	381	29	38.2	436	6	US-11-087-099-2654	Sequence 2654, Ap
309	29.5	38.8	870	7	US-11-031-206-188	Sequence 188, App	382	29	38.2	443	7	US-11-087-099-424	Sequence 424, App
310	29	38.2	64	7	US-11-000-463-259	Sequence 259, App	383	29	38.2	447	7	US-11-055-822-1070	Sequence 1070, App
311	29	38.2	64	7	US-11-000-463-731	Sequence 731, App	384	29	38.2	447	7	US-11-024-959-286	Sequence 286, App
312	29	38.2	76	6	US-10-895-064-2633	Sequence 2633, Ap	385	29	38.2	447	7	US-11-087-099-2416	Sequence 2416, App
313	29	38.2	76	7	US-11-129-741-2633	Sequence 2633, Ap	386	29	38.2	447	7	US-11-087-099-10935	Sequence 10935, Ap
314	29	38.2	88	6	US-10-485-517-303	Sequence 303, App	387	29	38.2	447	7	US-11-087-099-11869	Sequence 11869, A
315	29	38.2	88	6	US-10-485-788A-819	Sequence 819, App	388	29	38.2	447	7	US-11-087-099-11869	Sequence 11869, A
316	29	38.2	88	7	US-11-053-076-204	Sequence 204, App	389	29	38.2	455	7	US-11-096-568A-3179	Sequence 3179, Ap
317	29	38.2	146	7	US-11-087-099-4833	Sequence 4833, Ap	390	29	38.2	456	7	US-11-096-568A-32945	Sequence 32945, A

391	29	38.2	457	7	US-11-087-099-1034	Sequence 1034, Ap	464	28	36.8	44	7	US-11-096-568A-5421	Sequence 5421, Ap
392	29	38.2	459	7	US-11-087-099-5702	Sequence 5702, Ap	465	28	36.8	59	7	US-11-004-399-92843	Sequence 2843, Ap
393	29	38.2	467	7	US-11-096-568A-10310	Sequence 10310, A	466	28	36.8	63	7	US-11-000-463-325	Sequence 325, Ap
394	29	38.2	466	7	US-11-096-568A-11620	Sequence 11620, A	467	28	36.8	63	7	US-11-000-463-797	Sequence 797, Ap
395	29	38.2	471	7	US-11-096-568A-11619	Sequence 11619, A	468	28	36.8	120	7	US-11-096-568A-25320	Sequence 25320, A
396	29	38.2	475	7	US-11-096-568A-23355	Sequence 23355, A	469	28	36.8	136	7	US-11-098-686-71	Sequence 71, Appl
397	29	38.2	482	7	US-11-087-099-4997	Sequence 4997, A	470	28	36.8	146	7	US-11-096-568A-30487	Sequence 30487, A
398	29	38.2	482	7	US-11-096-568A-27870	Sequence 27870, A	471	28	36.8	149	6	US-10-793-626-594	Sequence 594, App
399	29	38.2	484	7	US-11-087-099-1132	Sequence 1132, A	472	28	36.8	154	7	US-11-072-512-2867	Sequence 2867, Ap
400	29	38.2	502	7	US-11-096-568A-11618	Sequence 11618, A	473	28	36.8	158	6	US-10-453-372-668	Sequence 668, App
401	29	38.2	513	6	US-10-467-657-5464	Sequence 5464, Ap	474	28	36.8	159	7	US-11-087-099-5905	Sequence 5905, Ap
402	29	38.2	518	6	US-10-934-944-172	Sequence 112, App	475	28	36.8	160	7	US-11-009-658-24	Sequence 24, Appl
403	29	38.2	518	6	US-10-934-944-190	Sequence 190, App	476	28	36.8	163	7	US-11-087-099-12085	Sequence 12085, A
404	29	38.2	518	6	US-10-934-944-220	Sequence 220, App	477	28	36.8	165	7	US-11-096-568A-6346	Sequence 6346, Ap
405	29	38.2	518	7	US-11-116-881A-181	Sequence 181, App	478	28	36.8	173	7	US-11-018-868-6	Sequence 6, Appl
406	29	38.2	518	7	US-11-116-881A-199	Sequence 199, App	479	28	36.8	173	7	US-11-018-868-46	Sequence 46, Appl
407	29	38.2	518	7	US-11-116-881A-229	Sequence 229, App	480	28	36.8	178	7	US-11-096-568A-3521	Sequence 3521, Ap
408	29	38.2	520	6	US-10-467-657-1992	Sequence 1992, App	481	28	36.8	183	7	US-11-087-099-824	Sequence 824, App
409	29	38.2	522	7	US-11-096-568A-10309	Sequence 10309, A	482	28	36.8	183	7	US-11-087-099-5325	Sequence 5325, Ap
410	29	38.2	530	6	US-10-493-909-85	Sequence 85, Appl	483	28	36.8	183	7	US-11-087-099-5921	Sequence 5921, Ap
411	29	38.2	530	6	US-10-793-626-546	Sequence 546, App	484	28	36.8	183	7	US-11-087-099-1794	Sequence 1794, Ap
412	29	38.2	535	6	US-11-114-906-16	Sequence 16, Appl	485	28	36.8	190	6	US-10-793-626-3140	Sequence 3140, Ap
413	29	38.2	537	6	US-10-793-626-1712	Sequence 1712, Ap	486	28	36.8	190	6	US-10-714-887-238	Sequence 238, App
414	29	38.2	539	7	US-11-024-959-436	Sequence 436, App	487	28	36.8	199	6	US-11-053-185-28	Sequence 28, App
415	29	38.2	545	7	US-11-201-916-34	Sequence 34, Appl	488	28	36.8	199	6	US-11-074-887-238	Sequence 28, App
416	29	38.2	548	7	US-11-114-906-14	Sequence 14, Appl	489	28	36.8	203	6	US-10-793-626-1794	Sequence 1794, Ap
417	29	38.2	548	7	US-11-098-686-10870	Sequence 10870, A	490	28	36.8	203	7	US-11-096-568A-30171	Sequence 30171, A
418	29	38.2	572	7	US-11-080-458-13	Sequence 13, Appl	491	28	36.8	204	7	US-11-096-568A-19285	Sequence 19285, A
419	29	38.2	573	7	US-11-201-916-30	Sequence 30, Appl	492	28	36.8	205	6	US-10-501-035-295	Sequence 295, App
420	29	38.2	576	7	US-11-201-916-32	Sequence 32, Appl	493	28	36.8	206	7	US-11-096-568A-6658	Sequence 6658, App
421	29	38.2	577	7	US-11-201-916-31	Sequence 31, Appl	494	28	36.8	211	6	US-10-453-372-700	Sequence 700, App
422	29	38.2	580	7	US-11-072-512-2103	Sequence 2103, Ap	495	28	36.8	213	7	US-11-096-568A-19284	Sequence 19284, A
423	29	38.2	591	6	US-10-770-726-71	Sequence 71, Appl	496	28	36.8	216	7	US-11-096-568A-31555	Sequence 31555, A
424	29	38.2	602	7	US-11-096-568A-30507	Sequence 30507, A	497	28	36.8	218	7	US-11-096-568A-4901	Sequence 4901, A
425	29	38.2	615	7	US-11-232-405A-32	Sequence 32, Appl	498	28	36.8	221	7	US-11-087-099-6557	Sequence 6557, Ap
426	29	38.2	648	7	US-11-114-906-12	Sequence 12, Appl	499	28	36.8	224	7	US-11-098-686-10467	Sequence 10467, A
427	29	38.2	654	7	US-11-114-906-10	Sequence 10, Appl	500	28	36.8	226	7	US-11-096-568A-21108	Sequence 21108, A
428	29	38.2	680	6	US-10-467-657-2008	Sequence 2008, Ap	501	28	36.8	227	6	US-10-467-657-970	Sequence 970, App
429	29	38.2	701	7	US-11-055-852-1066	Sequence 1066, Ap	502	28	36.8	232	7	US-11-096-568A-24670	Sequence 24670, A
430	29	38.2	701	7	US-11-096-568A-30506	Sequence 30506, A	503	28	36.8	233	7	US-11-096-568A-20233	Sequence 20233, A
431	29	38.2	715	7	US-11-087-099-808	Sequence 808, App	504	28	36.8	235	7	US-11-087-099-3863	Sequence 3863, Ap
432	29	38.2	751	7	US-11-114-906-8	Sequence 8, Appl	505	28	36.8	235	7	US-11-096-568A-6657	Sequence 6657, Ap
433	29	38.2	757	6	US-10-055-877-157	Sequence 157, App	506	28	36.8	237	6	US-10-793-626-1744	Sequence 1744, Ap
434	29	38.2	764	7	US-11-114-906-6	Sequence 6, Appl	507	28	36.8	238	7	US-11-096-568A-23995	Sequence 23995, A
435	29	38.2	776	7	US-11-114-906-24	Sequence 24, Appl	508	28	36.8	239	7	US-11-087-099-9322	Sequence 9322, Ap
436	29	38.2	789	7	US-11-114-906-22	Sequence 22, Appl	509	28	36.8	240	7	US-11-098-686-10436	Sequence 10436, A
437	29	38.2	795	6	US-10-821-234-1675	Sequence 1675, Ap	510	28	36.8	240	7	US-11-087-099-10027	Sequence 10027, A
438	29	38.2	838	7	US-11-114-906-40	Sequence 40, Appl	511	28	36.8	241	7	US-11-074-176-66	Sequence 66, Appl
439	29	38.2	851	7	US-11-114-906-38	Sequence 38, Appl	512	28	36.8	243	7	US-11-087-099-1070	Sequence 1070, App
440	29	38.2	863	7	US-11-114-906-32	Sequence 32, Appl	513	28	36.8	244	7	US-11-096-568A-30170	Sequence 30170, A
441	29	38.2	864	7	US-11-114-906-4	Sequence 4, Appl	514	28	36.8	253	6	US-10-453-372-720	Sequence 720, App
442	29	38.2	870	7	US-11-114-906-2	Sequence 2, Appl	515	28	36.8	253	6	US-10-453-372-730	Sequence 730, App
443	29	38.2	876	7	US-11-114-906-30	Sequence 30, Appl	516	28	36.8	255	7	US-11-052-554A-295	Sequence 295, App
444	29	38.2	879	7	US-11-096-568A-30505	Sequence 30505, A	517	28	36.8	256	7	US-11-096-568A-23884	Sequence 23884, A
445	29	38.2	889	7	US-11-114-906-20	Sequence 20, Appl	518	28	36.8	257	6	US-10-453-372-676	Sequence 676, App
446	29	38.2	895	7	US-11-114-906-18	Sequence 18, Appl	519	28	36.8	257	6	US-10-453-372-678	Sequence 678, App
447	29	38.2	957	7	US-11-114-906-36	Sequence 36, Appl	520	28	36.8	259	6	US-10-793-626-2958	Sequence 2958, App
448	29	38.2	957	7	US-11-114-906-28	Sequence 28, Appl	521	28	36.8	261	6	US-10-467-657-5085	Sequence 5085, Ap
449	29	38.2	976	7	US-11-114-906-26	Sequence 26, Appl	522	28	36.8	275	6	US-10-467-657-2242	Sequence 2242, Ap
450	29	38.2	982	7	US-11-114-906-6	Sequence 6, Appl	523	28	36.8	282	7	US-11-087-099-4484	Sequence 4484, Ap
451	29	38.2	1704	7	US-11-072-175-213	Sequence 213, App	524	28	36.8	287	7	US-11-096-568A-24669	Sequence 24669, A
452	29	38.2	1732	6	US-10-055-877-147	Sequence 147, App	525	28	36.8	284	7	US-11-096-568A-20732	Sequence 20732, A
453	29	38.2	2456	7	US-11-186-999-8	Sequence 8, Appl	526	28	36.8	293	7	US-11-096-568A-30169	Sequence 30169, A
454	29	38.2	2456	7	US-11-186-999-10	Sequence 10, Appl	527	28	36.8	294	7	US-11-096-568A-11475	Sequence 11475, A
455	28.5	37.5	363	6	US-10-995-561-541	Sequence 541, App	528	28	36.8	295	7	US-11-096-568A-23994	Sequence 23994, A
456	28.5	37.5	375	6	US-10-995-561-540	Sequence 540, App	529	28	36.8	298	6	US-10-499-715-6	Sequence 6, Appl
457	28.5	37.5	455	7	US-11-087-099-2593	Sequence 2593, Ap	530	28	36.8	303	7	US-11-096-568A-21926	Sequence 21926, A
458	28.5	37.5	497	7	US-11-010-239-85	Sequence 85, Appl	531	28	36.8	306	7	US-11-087-099-6817	Sequence 6817, Ap
459	28.5	37.5	643	7	US-11-096-568A-32104	Sequence 32104, A	532	28	36.8	311	7	US-11-096-568A-11474	Sequence 11474, A
460	28.5	37.5	783	7	US-11-096-568A-32103	Sequence 32103, A	533	28	36.8	311	7	US-11-096-568A-33680	Sequence 33680, A
461	28.5	37.5	801	7	US-11-096-568A-32102	Sequence 32102, A	534	28	36.8	312	6	US-10-537-075-15	Sequence 15, Appl
462	28.5	37.5	2644	6	US-10-770-726-45	Sequence 45, Appl	535	28	36.8	313	7	US-11-096-568A-15771	Sequence 15771, A
463	28	36.8	18	7	US-11-033-039-1246	Sequence 1246, Ap	536	28	36.8	314	7	US-11-072-512-2917	Sequence 2917, Ap



537	28	36.8	317	6	US-10-467-657-3320	Sequence 3320, Ap	610	28	36.8	485	7	US-11-112-824-32	Sequence 32, Appl
538	28	36.8	319	7	US-11-074-176-74	Sequence 74, Appl	611	28	36.8	485	7	US-11-112-824-33	Sequence 33, Appl
539	28	36.8	322	6	US-10-993-143-24	Sequence 24, Appl	612	28	36.8	485	7	US-11-096-568A-23729	Sequence 23729, A
540	28	36.8	323	7	US-11-096-568A-24668	Sequence 24668, A	613	28	36.8	487	7	US-11-087-099-1032	Sequence 5032, Ap
541	28	36.8	325	6	US-10-873-528-141	Sequence 141, App	614	28	36.8	488	7	US-11-096-568A-31332	Sequence 31332, A
542	28	36.8	325	7	US-11-052-554A-356	Sequence 356, App	615	28	36.8	491	7	US-11-087-099-2696	Sequence 2696, Ap
543	28	36.8	325	7	US-11-096-568A-21725	Sequence 21725, A	616	28	36.8	491	7	US-11-096-568A-31331	Sequence 31331, A
544	28	36.8	339	7	US-11-087-099-2442	Sequence 2442, Ap	617	28	36.8	499	7	US-11-087-099-6998	Sequence 6998, Ap
545	28	36.8	340	6	US-10-501-035-296	Sequence 296, App	618	28	36.8	504	7	US-11-096-568A-28009	Sequence 28009, A
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547	28	36.8	340	7	US-11-051-720-1310	Sequence 1310, Ap	620	28	36.8	505	7	US-11-096-568A-29826	Sequence 29826, A
548	28	36.8	340	7	US-11-096-568A-27422	Sequence 27422, A	621	28	36.8	506	7	US-11-096-568A-29683	Sequence 29682, A
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550	28	36.8	342	7	US-11-096-568A-29828	Sequence 29828, A	623	28	36.8	508	7	US-11-087-099-12239	Sequence 12239, A
551	28	36.8	343	7	US-11-096-568A-21724	Sequence 21724, A	624	28	36.8	509	7	US-11-087-099-1141	Sequence 3141, Ap
552	28	36.8	347	7	US-11-087-099-4856	Sequence 4856, Ap	625	28	36.8	509	7	US-11-087-099-12404	Sequence 12404, A
553	28	36.8	348	7	US-11-096-568A-11473	Sequence 11473, A	626	28	36.8	516	6	US-10-501-035-344	Sequence 344, App
554	28	36.8	351	7	US-11-052-554A-203	Sequence 203, App	627	28	36.8	520	7	US-11-087-099-7910	Sequence 7910, Ap
555	28	36.8	353	7	US-11-096-850-2	Sequence 2, Appl	628	28	36.8	525	7	US-11-087-099-12127	Sequence 12127, A
556	28	36.8	361	7	US-11-072-512-2833	Sequence 2833, Ap	629	28	36.8	526	7	US-11-087-099-10119	Sequence 10119, A
557	28	36.8	365	7	US-11-087-099-3888	Sequence 3888, Ap	630	28	36.8	533	7	US-11-087-099-12358	Sequence 12358, A
558	28	36.8	367	7	US-11-096-568A-34460	Sequence 34460, A	631	28	36.8	534	7	US-11-075-185-17	Sequence 17, Appl
559	28	36.8	373	7	US-11-096-568A-31554	Sequence 31554, A	632	28	36.8	535	6	US-10-493-909-84	Sequence 84, Appl
560	28	36.8	374	7	US-11-009-658-58	Sequence 58, Appl	633	28	36.8	537	7	US-11-218-780-6	Sequence 6, Appl
561	28	36.8	378	7	US-11-096-568A-8228	Sequence 8228, Ap	634	28	36.8	541	7	US-11-201-916-4	Sequence 4, Appl
562	28	36.8	378	7	US-11-096-568A-31553	Sequence 31553, A	635	28	36.8	543	7	US-11-096-568A-23728	Sequence 23728, A
563	28	36.8	379	7	US-11-096-568A-34459	Sequence 34459, A	636	28	36.8	545	7	US-11-201-916-8	Sequence 8, Appl
564	28	36.8	382	7	US-11-087-099-9588	Sequence 9588, Ap	637	28	36.8	546	7	US-11-096-568A-31804	Sequence 31804, A
565	28	36.8	388	7	US-11-072-959-283	Sequence 283, App	638	28	36.8	552	7	US-11-201-916-22	Sequence 22, Appl
566	28	36.8	388	7	US-11-072-512-3454	Sequence 3454, Ap	639	28	36.8	554	7	US-11-096-568A-29624	Sequence 29624, A
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568	28	36.8	394	7	US-11-087-099-1850	Sequence 1850, Ap	641	28	36.8	560	7	US-11-087-099-3332	Sequence 3332, Ap
569	28	36.8	396	7	US-11-051-720-1703	Sequence 1703, Ap	642	28	36.8	564	7	US-11-096-568A-29681	Sequence 29681, A
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573	28	36.8	412	7	US-11-087-099-1379	Sequence 1379, Ap	646	28	36.8	593	7	US-11-087-099-5719	Sequence 5719, Ap
574	28	36.8	413	7	US-11-096-568A-8227	Sequence 8227, Ap	647	28	36.8	593	7	US-11-087-099-7511	Sequence 7511, Ap
575	28	36.8	414	7	US-11-096-568A-34458	Sequence 34458, A	648	28	36.8	596	7	US-11-096-568A-29682	Sequence 29682, A
576	28	36.8	417	7	US-11-096-568A-28010	Sequence 28010, A	649	28	36.8	596	7	US-11-096-568A-31802	Sequence 31802, A
577	28	36.8	417	7	US-11-096-568A-31333	Sequence 31333, A	650	28	36.8	615	7	US-11-072-512-1203	Sequence 3203, Ap
578	28	36.8	418	7	US-11-096-568A-29827	Sequence 29827, A	651	28	36.8	616	7	US-11-087-099-11112	Sequence 11112, A
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580	28	36.8	444	6	US-10-821-234-1476	Sequence 1476, Ap	653	28	36.8	621	7	US-11-073-457-28	Sequence 28, Appl
581	28	36.8	447	7	US-11-087-099-2456	Sequence 2456, Ap	654	28	36.8	621	7	US-11-073-460-28	Sequence 28, Appl
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583	28	36.8	448	7	US-11-087-099-10988	Sequence 10988, A	656	28	36.8	653	7	US-11-098-686-10093	Sequence 10093, A
584	28	36.8	448	7	US-11-096-568A-8226	Sequence 8226, Ap	657	28	36.8	663	7	US-11-143-984A-40	Sequence 40, Appl
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586	28	36.8	450	7	US-11-087-099-6582	Sequence 6582, Ap	659	28	36.8	692	7	US-11-052-554A-213	Sequence 213, App
587	28	36.8	454	7	US-11-087-099-2905	Sequence 2905, Ap	660	28	36.8	711	6	US-10-821-234-1017	Sequence 1017, Ap
588	28	36.8	455	6	US-10-793-626-718	Sequence 718, App	661	28	36.8	757	7	US-11-031-206-184	Sequence 184, App
589	28	36.8	456	7	US-11-087-099-4786	Sequence 4786, Ap	662	28	36.8	775	7	US-11-087-099-8254	Sequence 8254, Ap
590	28	36.8	458	7	US-11-087-099-5823	Sequence 5823, Ap	663	28	36.8	784	7	US-11-098-686-11370	Sequence 11370, A
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592	28	36.8	459	7	US-11-087-099-2246	Sequence 3246, Ap	665	28	36.8	798	7	US-11-031-206-192	Sequence 192, App
593	28	36.8	461	7	US-11-051-720-1426	Sequence 1426, Ap	666	28	36.8	858	6	US-10-995-561-874	Sequence 874, Appl
594	28	36.8	463	7	US-11-087-099-11213	Sequence 11213, A	667	28	36.8	800	7	US-11-024-959-471	Sequence 471, App
595	28	36.8	469	7	US-11-087-099-11300	Sequence 11300, A	668	28	36.8	800	7	US-11-024-959-511	Sequence 511, App
596	28	36.8	470	7	US-11-229-371-91	Sequence 91, Appl	669	28	36.8	836	7	US-11-087-099-3386	Sequence 2386, Ap
597	28	36.8	470	7	US-11-228-923-91	Sequence 91, Appl	670	28	36.8	849	7	US-11-087-099-1756	Sequence 1756, Ap
598	28	36.8	470	7	US-11-228-875-91	Sequence 91, Appl	671	28	36.8	855	6	US-10-909-769-10	Sequence 30, Appl
599	28	36.8	472	7	US-11-087-099-10553	Sequence 10553, A	672	28	36.8	858	6	US-10-995-561-875	Sequence 875, App
600	28	36.8	474	7	US-11-087-099-1897	Sequence 1897, Ap	673	28	36.8	876	7	US-11-031-206-206	Sequence 206, App
601	28	36.8	479	7	US-11-096-568A-19239	Sequence 19239, A	674	28	36.8	913	7	US-11-018-868-164	Sequence 164, App
602	28	36.8	480	7	US-11-096-568A-19238	Sequence 19238, A	675	28	36.8	970	7	US-11-037-243-101	Sequence 101, App
603	28	36.8	481	7	US-11-096-568A-19237	Sequence 19237, A	676	28	36.8	1128	7	US-11-183-294-28	Sequence 28, Appl
604	28	36.8	484	7	US-11-096-568A-23730	Sequence 23730, A	677	28	36.8	1137	6	US-10-499-715-4	Sequence 4, Appl
605	28	36.8	485	7	US-11-112-824-2	Sequence 2, Appl	678	28	36.8	1155	6	US-10-755-092-9	Sequence 9, Appl
606	28	36.8	485	7	US-11-112-824-28	Sequence 28, Appl	679	28	36.8	1177	7	US-11-226-943-10	Sequence 10, Appl
607	28	36.8	485	7	US-11-112-824-29	Sequence 29, Appl	680	28	36.8	1177	7	US-11-226-943-12	Sequence 12, Appl
608	28	36.8	485	7	US-11-112-824-30	Sequence 30, Appl	681	28	36.8	1177	7	US-11-226-943-14	Sequence 14, Appl
609	28	36.8	485	7	US-11-112-824-31	Sequence 31, Appl	682	28	36.8	1177	7	US-11-226-943-26	Sequence 26, Appl

683	28	36.8	1177	7	US-11-226-943-28	Sequence 28, Appl	756	27	35.5	186	6	US-10-465-517-284	Sequence 284, App
684	28	36.8	1177	7	US-11-226-943-34	Sequence 34, Appl	757	27	35.5	189	6	US-10-714-887-272	Sequence 272, App
685	28	36.8	1181	6	US-10-755-092-11	Sequence 11, Appl	758	27	35.5	192	7	US-11-096-568A-17129	Sequence 17129, A
686	28	36.8	1181	6	US-10-755-092-13	Sequence 13, Appl	759	27	35.5	196	6	US-10-467-657-5810	Sequence 5810, App
687	28	36.8	1181	6	US-10-755-092-15	Sequence 15, Appl	760	27	35.5	200	7	US-11-096-568A-3074	Sequence 3074, App
688	28	36.8	1181	6	US-10-755-092-17	Sequence 17, Appl	761	27	35.5	200	7	US-11-096-568A-3076	Sequence 3076, App
689	28	36.8	1181	6	US-10-755-092-28	Sequence 28, Appl	762	27	35.5	201	7	US-11-249-696-1	Sequence 1, Appl1
690	28	36.8	1193	6	US-11-226-943-30	Sequence 30, Appl	763	27	35.5	203	7	US-11-249-696-3	Sequence 3, Appl1
691	28	36.8	1210	6	US-10-624-932-26	Sequence 26, Appl	764	27	35.5	203	7	US-11-249-696-3	Sequence 3, Appl1
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694	28	36.8	1633	6	US-10-240-771A-2	Sequence 2, Appl1	767	27	35.5	205	6	US-11-096-568A-3940	Sequence 3940, App
695	28	36.8	2376	7	US-11-096-568A-27513	Sequence 27513, A	768	27	35.5	205	6	US-10-793-626-2156	Sequence 2156, App
696	28	36.8	2518	7	US-11-096-568A-27512	Sequence 27512, A	769	27	35.5	207	7	US-11-096-568A-10358	Sequence 10358, A
697	28	36.8	2523	7	US-11-052-554A-143	Sequence 143, Appl	770	27	35.5	210	7	US-11-087-099-9-1220	Sequence 4220, App
698	28	36.8	2535	7	US-11-096-568A-27511	Sequence 27511, A	771	27	35.5	211	6	US-11-096-568A-10357	Sequence 10357, A
699	28	36.8	2671	6	US-10-876-787-6	Sequence 6, Appl1	772	27	35.5	212	7	US-10-981-873-41	Sequence 41, Appl
700	28	36.8	2897	6	US-10-499-715-2	Sequence 2, Appl1	773	27	35.5	215	6	US-11-212-443-48	Sequence 48, Appl
701	28	36.8	7465	7	US-11-087-099-7521	Sequence 7521, Ap	774	27	35.5	215	6	US-10-793-626-1102	Sequence 1102, Ap
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703	27.5	36.2	211	7	US-11-096-568A-14610	Sequence 14610, A	776	27	35.5	219	6	US-10-518-019A-6	Sequence 6, Appl
704	27.5	36.2	233	7	US-11-096-568A-14609	Sequence 14609, A	777	27	35.5	220	7	US-11-212-443-46	Sequence 46, Appl
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706	27.5	36.2	312	6	US-10-793-626-3060	Sequence 3060, Ap	779	27	35.5	222	7	US-11-096-568A-15829	Sequence 15829, A
707	27.5	36.2	523	7	US-11-087-099-1873	Sequence 1873, Ap	780	27	35.5	222	7	US-11-096-568A-12659	Sequence 12659, A
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709	27.5	36.2	572	6	US-10-763-712A-10	Sequence 10, Appl	782	27	35.5	226	7	US-11-096-568A-20887	Sequence 20887, A
710	27.5	36.2	572	6	US-10-763-712A-37	Sequence 37, Appl	783	27	35.5	229	6	US-10-821-234-894	Sequence 894, App
711	27.5	36.2	592	6	US-10-763-712A-110	Sequence 110, App	784	27	35.5	232	6	US-10-467-657-3352	Sequence 3352, App
712	27.5	36.2	592	7	US-11-087-099-912	Sequence 912, App	785	27	35.5	232	7	US-11-096-568A-3073	Sequence 3073, App
713	27.5	36.2	663	7	US-11-087-099-3211	Sequence 3211, Ap	786	27	35.5	240	7	US-11-087-099-9-7452	Sequence 7452, App
714	27.5	36.2	669	7	US-11-087-099-2559	Sequence 2559, Ap	787	27	35.5	242	7	US-11-212-443-82	Sequence 82, Appl
715	27.5	36.2	687	6	US-10-055-877-203	Sequence 203, App	788	27	35.5	244	7	US-11-212-443-84	Sequence 84, Appl
716	27.5	36.2	728	7	US-11-087-099-9526	Sequence 9526, Ap	789	27	35.5	244	6	US-10-467-657-3330	Sequence 3330, Ap
717	27.5	36.2	735	7	US-11-087-099-8719	Sequence 8719, Ap	790	27	35.5	250	7	US-11-096-568A-15928	Sequence 15928, A
718	27.5	36.2	879	6	US-10-858-730-10	Sequence 10, Appl	791	27	35.5	253	7	US-10-096-568A-18724	Sequence 18724, A
719	27.5	36.2	3194	7	US-11-052-554A-90	Sequence 90, Appl	792	27	35.5	253	7	US-11-096-568A-25247	Sequence 25247, A
720	27.5	36.2	3353	7	US-11-037-243-64	Sequence 64, Appl	793	27	35.5	254	6	US-11-096-568A-15911	Sequence 15911, A
721	27	35.5	28	7	US-11-004-399-3399	Sequence 2399, Ap	794	27	35.5	256	6	US-10-524-647-14	Sequence 14, Appl
722	27	35.5	46	6	US-10-895-064-558	Sequence 558, App	795	27	35.5	256	6	US-10-524-972-21	Sequence 21, Appl
723	27	35.5	46	7	US-11-129-741-558	Sequence 558, App	796	27	35.5	273	7	US-11-072-512-1151	Sequence 1151, App
724	27	35.5	58	6	US-10-895-064-2684	Sequence 2684, Ap	797	27	35.5	273	7	US-11-096-568A-28844	Sequence 28844, App
725	27	35.5	58	7	US-11-129-741-2684	Sequence 2684, Ap	798	27	35.5	274	7	US-11-096-568A-25246	Sequence 25246, A
726	27	35.5	64	7	US-11-174-996A-89	Sequence 89, Appl	799	27	35.5	276	7	US-11-096-568A-2808	Sequence 2808, App
727	27	35.5	83	7	US-11-096-568A-5447	Sequence 5447, Ap	800	27	35.5	278	7	US-11-096-568A-10356	Sequence 10356, A
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729	27	35.5	91	7	US-11-096-568A-9670	Sequence 9670, Ap	802	27	35.5	281	6	US-10-467-657-3430	Sequence 3430, Ap
730	27	35.5	93	7	US-11-096-568A-9669	Sequence 9669, Ap	803	27	35.5	281	7	US-11-087-099-6447	Sequence 6447, App
731	27	35.5	95	7	US-11-129-741-3569	Sequence 3569, Ap	804	27	35.5	282	7	US-11-096-568A-19012	Sequence 19012, A
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733	27	35.5	96	7	US-11-096-568A-14300	Sequence 14300, A	806	27	35.5	290	7	US-11-087-099-9971	Sequence 9971, A
734	27	35.5	102	7	US-11-096-568A-4290	Sequence 4290, Ap	807	27	35.5	292	7	US-11-096-568A-27765	Sequence 27765, App
735	27	35.5	107	7	US-11-096-568A-4289	Sequence 4289, Ap	808	27	35.5	294	7	US-11-096-568A-16316	Sequence 16316, A
736	27	35.5	110	6	US-10-793-626-2152	Sequence 2152, Ap	809	27	35.5	296	6	US-10-467-657-5024	Sequence 5024, Ap
737	27	35.5	119	7	US-11-084-508-30	Sequence 30, Appl	810	27	35.5	298	7	US-11-096-568A-16729	Sequence 16729, A
738	27	35.5	123	6	US-10-793-626-530	Sequence 430, App	811	27	35.5	299	6	US-10-873-528-106	Sequence 106, App
739	27	35.5	124	7	US-11-087-099-6262	Sequence 6262, Ap	812	27	35.5	300	7	US-11-156-084-346	Sequence 346, App
740	27	35.5	127	7	US-11-096-568A-34144	Sequence 34144, A	813	27	35.5	301	7	US-11-096-568A-12647	Sequence 12647, A
741	27	35.5	156	7	US-11-096-568A-10569	Sequence 10569, A	814	27	35.5	302	7	US-11-143-984A-191	Sequence 191, App
742	27	35.5	157	7	US-11-169-041-147	Sequence 147, App	815	27	35.5	302	7	US-11-072-512-3163	Sequence 3163, App
743	27	35.5	159	7	US-11-087-099-1692	Sequence 1692, Ap	816	27	35.5	302	7	US-11-096-568A-17128	Sequence 17128, A
744	27	35.5	159	7	US-11-096-568A-28717	Sequence 28717, A	817	27	35.5	307	7	US-11-096-568A-25545	Sequence 25545, A
745	27	35.5	164	7	US-11-096-568A-28716	Sequence 28716, A	818	27	35.5	307	7	US-11-096-568A-6261	Sequence 6261, App
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## ALIGNMENTS

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; TITLE OF INVENTION: plants having improved growth characteristics and a method for
; TITLE OF INVENTION: making the same
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
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; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; TITLE OF INVENTION: making the same
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
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; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; TITLE OF INVENTION: making the same
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
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; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; TITLE OF INVENTION: making the same
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
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US-11-060-029-2

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; TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
; FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; CURRENT FILING DATE: 2005-02-17  
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US-11-060-029-4

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; TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
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US-11-060-029-17

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US-11-060-029-17

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; APPLICANT: CropDesign N.V.  
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
; FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; CURRENT FILING DATE: 2005-02-17  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 23  
; LENGTH: 353  
; TYPE: PRT  
; ORGANISM: Populus tremula x Populus tremuloides  
US-11-060-029-23

Query Match 89.5%; Score 68; DB 7; Length 353;  
Best Local Similarity 87.5%; Pred. No. 0.00011;  
Matches 14; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Oy 1 RYDALNVLMAMNIIIS 16  
Db 157 RYDALNVLMAMDIIS 172

RESULT 9  
US-11-096-568A-2816  
; Sequence 2816, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nickolai et al.  
; TITLE OF INVENTION: Sequence-determined DNA Fragments and Corresponding Polypeptides  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 2816  
; LENGTH: 384  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)..(384)  
; OTHER INFORMATION: Ceres Seq. ID no. 12610325  
US-11-096-568A-2816

Query Match 63.2%; Score 48; DB 7; Length 384;  
Best Local Similarity 60.0%; Pred. No. 0.42;  
Matches 9; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

```

Qy      1 RYVDALNVLMMNNII 15
         ||:||:||:|
Db      207 RLYDIANVLSSMNI 221

```

```

RESULT 10
US-11-096-568A-2817
; Sequence 2817, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; TITLE OF INVENTION: Therby
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 2817
; LENGTH: 384
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(384)
; OTHER INFORMATION: Ceres Seq. ID no. 16625362
; US-11-096-568A-2817

```

```

RESULT 11
US-11-096-568A-2815
; Sequence 2815, Application US/11096568A
; Publication No. US20060048240A1
;
GENERAL INFORMATION:
APPLICANT: Alexandrov, Nickolai et al.
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
TITLE OF INVENTION: Therapy
FILE REFERENCE: 2750-1592PUS2
CURRENT APPLICATION NUMBER: US/11/096,568A
CURRENT FILING DATE: 2005-04-01
NUMBER OF SEQ ID NOS: 34471
;
SEQ ID NO 2815
;
LENGTH: 385
;
TYPE: PRT
;
ORGANISM: Glycine max
;
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)-(385)
;
OTHER INFORMATION: Ceres Seq. ID no. 12610324
;
US-11-096-568A-2815

```

RESULT 12  
US-10-967-648A-14  
; Sequence 14, Application US/10967648A  
; Publication No. US20050245473A1  
; GENERAL INFORMATION:

```

: APPLICANT: Saunders, Nicholas A
: TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
: TITLE OF INVENTION: therefor
: FILE REFERENCE: 12493972
: CURRENT APPLICATION NUMBER: US/10/967,648A
: CURRENT FILING DATE: 2004-10-15
: PRIOR APPLICATION NUMBER: USSN 60/512010
: PRIOR FILING DATE: 2003-10-16
: NUMBER OF SEQ ID NOS: 16
: SOFTWARE: PatentIn version 3.3
: SEQ ID NO 14
: LENGTH: 904
: TYPE: prt
: ORGANISM: Mouse
US-10-967-648A-14

```

```

RESULT 13
US-11-096-568A-20252
; Sequence 20252, Application US/11096568A
; Publication No. US20060048240A1
GENERAL INFORMATION:
APPLICANT: Alexandrov, Nickolai et al.
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
FILE REFERENCE: 2750-1592PUS2
CURRENT APPLICATION NUMBER: US/11/096,568A
CURRENT FILING DATE: 2005-04-01
NUMBER OF SEQ ID NOS: 34471
SEQ ID NO 20252
LENGTH: 207
TYPE: PRT
ORGANISM: Zea mays subsp. mays
FEATURES:
NAME/KEY: misc feature
LOCATION: (1)..(207)
OTHER INFORMATION: Ceres Seq. ID no. 12381059
US-11-096-568A-20252

```

```

RESULT 14
US-11-096-568A-20251
; Sequence 20251, Application US/11096568A
; Publication NO. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 20251
; LENGTH: 278
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
;

```

NAME/KEY: misc feature  
 LOCATION: (1)..(278)  
 OTHER INFORMATION: Ceres Seq. ID no. 12381058  
 US-11-096-568A-20251

Query Match 59.2%; Score 45; DB 7; Length 278;  
 Best Local Similarity 53.3%; Pred. No. 1;  
 Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1 RYDIALNVLAMNII 15  
 Db 102 RLYDIANVLSSLNLI 116

## RESULT 15

US-11-096-568A-20250  
 Sequence 20250, Application US/11096568A  
 Publication No. US20060048240A1  
 GENERAL INFORMATION:  
 APPLICANT: Alexandrov, Nickolai et al.  
 TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
 TITLE OF INVENTION: Theby  
 FILE REFERENCE: 2750-1592PUS2  
 CURRENT APPLICATION NUMBER: US/11/096,568A  
 CURRENT FILING DATE: 2005-04-01  
 NUMBER OF SEQ ID NOS: 34471  
 SEQ ID NO 20250  
 LENGTH: 287  
 TYPE: PRT  
 ORGANISM: Zea mays subsp. mays  
 FEATURE:  
 NAME/KEY: misc feature  
 LOCATION: (1)..(287)  
 OTHER INFORMATION: Ceres Seq. ID no. 12381057  
 US-11-096-568A-20250

Query Match 59.2%; Score 45; DB 7; Length 287;  
 Best Local Similarity 53.3%; Pred. No. 1;  
 Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1 RYDIALNVLAMNII 15  
 Db 111 RLYDIANVLSSLNLI 125

## RESULT 16

US-11-096-568A-18168  
 Sequence 18168, Application US/11096568A  
 Publication No. US20060048240A1  
 GENERAL INFORMATION:  
 APPLICANT: Alexandrov, Nickolai et al.  
 TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
 TITLE OF INVENTION: Theby  
 FILE REFERENCE: 2750-1592PUS2  
 CURRENT APPLICATION NUMBER: US/11/096,568A  
 CURRENT FILING DATE: 2005-04-01  
 NUMBER OF SEQ ID NOS: 34471  
 SEQ ID NO 18168  
 LENGTH: 425  
 TYPE: PRT  
 ORGANISM: Zea mays subsp. mays  
 FEATURE:  
 NAME/KEY: misc feature  
 LOCATION: (1)..(425)  
 OTHER INFORMATION: Ceres Seq. ID no. 12363306  
 US-11-096-568A-18168

Query Match 59.2%; Score 45; DB 7; Length 425;  
 Best Local Similarity 53.3%; Pred. No. 1.6;  
 Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1 RYDIALNVLAMNII 15  
 Db 111 RLYDIANVLSSLNLI 125

Db 233 RLYDIANVLSSLNLI 247

## RESULT 17

US-11-096-568A-18167  
 Sequence 18167, Application US/11096568A  
 Publication No. US20060048240A1  
 GENERAL INFORMATION:  
 APPLICANT: Alexandrov, Nickolai et al.  
 TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
 TITLE OF INVENTION: Theby  
 FILE REFERENCE: 2750-1592PUS2  
 CURRENT APPLICATION NUMBER: US/11/096,568A  
 CURRENT FILING DATE: 2005-04-01  
 NUMBER OF SEQ ID NOS: 34471  
 SEQ ID NO 18167  
 LENGTH: 444  
 TYPE: PRT  
 ORGANISM: Zea mays subsp. mays  
 FEATURE:  
 NAME/KEY: misc feature  
 LOCATION: (1)..(444)  
 OTHER INFORMATION: Ceres Seq. ID no. 12363305  
 US-11-096-568A-18167

Query Match 59.2%; Score 45; DB 7; Length 444;  
 Best Local Similarity 53.3%; Pred. No. 1.7;  
 Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1 RYDIALNVLAMNII 15  
 Db 252 RLYDIANVLSSLNLI 266

## RESULT 18

US-11-096-568A-18166  
 Sequence 18166, Application US/11096568A  
 Publication No. US20060048240A1  
 GENERAL INFORMATION:  
 APPLICANT: Alexandrov, Nickolai et al.  
 TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
 TITLE OF INVENTION: Theby  
 FILE REFERENCE: 2750-1592PUS2  
 CURRENT APPLICATION NUMBER: US/11/096,568A  
 CURRENT FILING DATE: 2005-04-01  
 NUMBER OF SEQ ID NOS: 34471  
 SEQ ID NO 18166  
 LENGTH: 515  
 TYPE: PRT  
 ORGANISM: Zea mays subsp. mays  
 FEATURE:  
 NAME/KEY: misc feature  
 LOCATION: (1)..(515)  
 OTHER INFORMATION: Ceres Seq. ID no. 12363304  
 US-11-096-568A-18166

Query Match 59.2%; Score 45; DB 7; Length 515;  
 Best Local Similarity 53.3%; Pred. No. 2;  
 Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1 RYDIALNVLAMNII 15  
 Db 323 RLYDIANVLSSLNLI 337

## RESULT 19

US-10-863-093-5  
 Sequence 5, Application US/10863093  
 Publication No. US20050269081A1  
 GENERAL INFORMATION:  
 APPLICANT: Andrews, William H.  
 APPLICANT: Foster, Christopher A.  
 APPLICANT: Frazer, Stephanie

```
; APPLICANT: Mohammadpour, Hamid
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR MODULATING
; TITLE OF INVENTION: TELOMERASE REVERSE TRANSCRIPTASE (TERT) EXPRESSION
; FILE REFERENCE: SIER-005
; CURRENT APPLICATION NUMBER: US/10/863,093
; PRIOR APPLICATION NUMBER: US/09/932,581
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: 60/227,865
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 60/230,174
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/238,345
; PRIOR FILING DATE: 2000-10-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 85
; TYPE: PRT
; ORGANISM: human
US-10-863-093-5
```

```
Query Match      51.3%; Score 39, DB 6, Length 85,
Best Local Similarity 43.8%; Pred. No. 3;
Matches 7; Conservative 4; Mismatches 5; Indels 0; Gaps 0;
```

```
Qy      1 RYVDALNVLMAMNIIS 16
Db      57 RYDITNVLEGIQLIA 72
```

```
RESULT 20
US-10-967-648A-16
; Sequence 16, Application US/10967648A
; Publication No. US20050245473A1
; GENERAL INFORMATION:
; APPLICANT: Saunders, Nicholas A
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
; TITLE OF INVENTION: Therefor
; FILE REFERENCE: 12493972
; CURRENT APPLICATION NUMBER: US/10/967,648A
; CURRENT FILING DATE: 2004-10-15
; PRIOR APPLICATION NUMBER: USSN 60/512010
; PRIOR FILING DATE: 2003-10-16
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 16
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Human
US-10-967-648A-16
```

```
Query Match      51.3%; Score 39, DB 6, Length 121,
Best Local Similarity 43.8%; Pred. No. 4.5;
Matches 7; Conservative 4; Mismatches 5; Indels 0; Gaps 0;
```

```
Qy      1 RYVDALNVLMAMNIIS 16
Db      52 RYDITNVLEGIQLIA 67
```

```
RESULT 21
US-10-967-648A-10
; Sequence 10, Application US/10967648A
; Publication No. US20050245473A1
; GENERAL INFORMATION:
; APPLICANT: Saunders, Nicholas A
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
; TITLE OF INVENTION: Therefor
; FILE REFERENCE: 12493972
; CURRENT APPLICATION NUMBER: US/10/967,648A
; CURRENT FILING DATE: 2004-10-15
; PRIOR APPLICATION NUMBER: USSN 60/512010
```

```
; PRIOR FILING DATE: 2003-10-16
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 10
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Human
US-10-967-648A-10
```

```
Query Match      51.3%; Score 39, DB 6, Length 346,
Best Local Similarity 46.7%; Pred. No. 15;
Matches 7; Conservative 4; Mismatches 4; Indels 0; Gaps 0;
```

```
Qy      1 RYVDALNVLMAMNII 15
Db      90 RYDITNVLEGIQLI 104
```

```
RESULT 22
US-11-096-568A-19243
; Sequence 19243, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nicholas et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; TITLE OF INVENTION: Thereby
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 19243
; LENGTH: 367
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(367)
; OTHER INFORMATION: Ceres Seq. ID no. 12369793
US-11-096-568A-19243
```

```
Query Match      51.3%; Score 39, DB 7, Length 367,
Best Local Similarity 46.7%; Pred. No. 16;
Matches 7; Conservative 4; Mismatches 4; Indels 0; Gaps 0;
```

```
Qy      1 RYVDALNVLMAMNII 15
Db      130 RYDITNVLEGIQLI 144
```

```
RESULT 23
US-10-967-648A-2
; Sequence 2, Application US/10967648A
; Publication No. US20050245473A1
; GENERAL INFORMATION:
; APPLICANT: Saunders, Nicholas A
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
; TITLE OF INVENTION: Therefor
; FILE REFERENCE: 12493972
; CURRENT APPLICATION NUMBER: US/10/967,648A
; CURRENT FILING DATE: 2004-10-15
; PRIOR APPLICATION NUMBER: USSN 60/512010
; PRIOR FILING DATE: 2003-10-16
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2
; LENGTH: 437
; TYPE: PRT
; ORGANISM: Human
US-10-967-648A-2
```

```
Query Match      51.3%; Score 39, DB 6, Length 437,
Best Local Similarity 43.8%; Pred. No. 20;
Matches 7; Conservative 4; Mismatches 5; Indels 0; Gaps 0;
```



```
QY      1 RYVDALNVLAMNIIIS 16
        |:||| |:|:
Db      166 RYDITNVLGIIQLIA 181
```

```

RESULT 24
US-10-967-648A-6
; Sequence 6, Application US/10967648A
; Publication No. US20050245473A1
GENERAL INFORMATION:
APPLICANT: Saunders, Nicholas A
TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
; TITLE OF INVENTION: Therefor
; FILE REFERENCE: 12493972
; CURRENT APPLICATION NUMBER: US/10/967,648A
; CURRENT FILING DATE: 2004-10-15
; PRIOR APPLICATION NUMBER: USSN 60/512010
; PRIOR FILING DATE: 2003-10-16
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 6
; LENGTH: 465
; TYPE: PRT
; ORGANISM: Human
; US-10-967-648A-6

```

```

RESULT 25
US-11-096-568A-19242
; Sequence 19242, Application US/11096568A
; Publication NO. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; TITLE OF INVENTION: Theory
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 19242
; LENGTH: 468
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURES:
; NAME/KEY: misc feature
; LOCATION: (1)..(468)
; OTHER INFORMATION: Ceres Seq. ID no. 12369792
; US-11-096-568A-19242

```

RESULT 26  
US-11-096-568A-19241  
; Sequence 19241, Application US/110965568A  
; Publication No. US30060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nikolai et al.

```

1  TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
2  TITLE OF INVENTION: Thebly
3  FILE REFERENCE: 2750-1592PUS2
4  CURRENT APPLICATION NUMBER: US/11/096,568A
5  CURRENT FILING DATE: 2005-04-01
6  NUMBER OF SEQ ID NOS: 34471
7  SEQ ID NO 19241
8  LENGTH: 488
9  TYPE: PRT
10 ORGANISM: Zea mays subsp. mays
11 FEATURE:
12 NAME/KEY: misc feature
13 LOCATION: (1)..(488)
14 OTHER INFORMATION: Ceres Seq. ID no. 12365791
15 US-11-096-568A-19241

```

```

RESULT 27
US-10-863-093-6
; Sequence 6, Application US/10863093
; Publication No. US20050269081A1
; GENERAL INFORMATION:
; APPLICANT: Andrews, William H.
; APPLICANT: Foster, Christopher A.
; APPLICANT: Fraser, Stephanie
; APPLICANT: Mohammadpour, Hamid
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR MODULATING
; TITLE OF INVENTION: TELOMERASE REVERSE TRANSCRIPTASE (TEXT) EXPRESSION
; FILE REFERENCE: SIER-005
; CURRENT APPLICATION NUMBER: US/10/863,093
; CURRENT FILING DATE: 2004-06-08
; PRIOR APPLICATION NUMBER: US/09/993,581
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: 60/227,865
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 60/230,174
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/238,345
; PRIOR FILING DATE: 2000-10-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 76
; TYPE: PRT
; ORGANISM: human
; US-10-863-093-6

```

RESULT 28  
 US-10-888-613B-90  
 ; Sequence 90, Application US/10888613B  
 ; Publication No. US20060008911A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Donald Danforth Plant Science Center  
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REGULATING GENE EXPRESSION IN PLANT  
 ; FILE OF INVENTION: CELLS  
 ; FILE REFERENCE: 0104850

```

; CURRENT APPLICATION NUMBER: US/10/888,613B
; CURRENT FILING DATE: 2004-07-09
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 90
; LENGTH: 76
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: This sequence was artificially derived and/or created by the
; OTHER INFORMATION: Inventors.
US-10-888-613B-90

Query Match      50.0%; Score 38; DB 6; Length 76;
Best Local Similarity 46.7%; Pred. No. 3.9;
Matches 7; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY      1 RYVDALNVLMAMNII 15
Db      47 RYDITNVLEIGLII 61

RESULT 29
US-10-967-648A-12
; Sequence 12, Application US/10967648A
; Publication No. US20050245473A1
; GENERAL INFORMATION:
; APPLICANT: Saunders, Nicholas A
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
; TITLE OF INVENTION: therefor
; FILE REFERENCE: 12493972
; CURRENT APPLICATION NUMBER: US/10/967,648A
; CURRENT FILING DATE: 2004-10-15
; PRIOR APPLICATION NUMBER: USSN 60/512010
; PRIOR FILING DATE: 2003-10-16
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 12
; LENGTH: 281
; TYPE: PRT
; ORGANISM: Human
US-10-967-648A-12

Query Match      50.0%; Score 38; DB 6; Length 281;
Best Local Similarity 46.7%; Pred. No. 18;
Matches 7; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY      1 RYVDALNVLMAMNII 15
Db      102 RYVDITNVLDGIDLIV 116

RESULT 30
US-11-096-568A-20332
; Sequence 20332, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; TITLE OF INVENTION: Thereby
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 20332
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(362)
; OTHER INFORMATION: Cereas Seq. ID no. 12381524
US-11-096-568A-20332
```

```

Query Match      50.0%; Score 38; DB 7; Length 362;
Best Local Similarity 46.7%; Pred. No. 24;
Matches 7; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY      1 RYVDALNVLMAMNII 15
Db      84 RYDITNVLEIGLII 98

RESULT 31
US-11-096-568A-3066
; Sequence 3066, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; TITLE OF INVENTION: Thereby
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 3066
; LENGTH: 398
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(398)
; OTHER INFORMATION: Cereas Seq. ID no. 15172413
US-11-096-568A-3066

Query Match      50.0%; Score 38; DB 7; Length 398;
Best Local Similarity 46.7%; Pred. No. 26;
Matches 7; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY      1 RYVDALNVLMAMNII 15
Db      119 RYDITNVLEIGLII 133

RESULT 32
US-10-967-648A-8
; Sequence 8, Application US/10967648A
; Publication No. US20050245473A1
; GENERAL INFORMATION:
; APPLICANT: Saunders, Nicholas A
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
; TITLE OF INVENTION: therefor
; FILE REFERENCE: 12493972
; CURRENT APPLICATION NUMBER: US/10/967,648A
; CURRENT FILING DATE: 2004-10-15
; PRIOR APPLICATION NUMBER: USSN 60/512010
; PRIOR FILING DATE: 2003-10-16
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 8
; LENGTH: 413
; TYPE: PRT
; ORGANISM: Human
US-10-967-648A-8

Query Match      50.0%; Score 38; DB 6; Length 413;
Best Local Similarity 46.7%; Pred. No. 28;
Matches 7; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY      1 RYVDALNVLMAMNII 15
Db      57 RYDITNVLEIGLII 71

RESULT 33
US-10-967-648A-4
```

```
; Sequence 4, Application US/10967648A
; Publication No. US20050245473A1
; GENERAL INFORMATION:
; APPLICANT: Saunders, Nicholas A
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
; FILE REFERENCE: 12493972
; CURRENT APPLICATION NUMBER: US/10/967,648A
; CURRENT FILING DATE: 2004-10-15
; PRIORITY APPLICATION NUMBER: USN 60/512010
; PRIOR FILING DATE: 2003-10-16
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 437
; TYPE: PRT
; ORGANISM: Human
; US-10-967-648A-4

Query Match      50.0%; Score 38; DB 6; Length 437;
Best Local Similarity 46.7%; Pred. No. 29;
Matches 7; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Cy      1 RYVDALNVLMAMNII 15
      ||| ||| : :|
      168 RYDITNVLSIGILI 182

Db

RESULT 34
US-11-096-568A-20331
; Sequence 20331, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 20331
; LENGTH: 464
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(464)
; OTHER INFORMATION: Ceres Seq. ID no. 12381523
US-11-096-568A-20331

Query Match      50.0%; Score 38; DB 7; Length 464;
Best Local Similarity 46.7%; Pred. No. 31;
Matches 7; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Cy      1 RYVDALNVLMAMNII 15
      ||| ||| : :|
      186 RYDITNVLSIGILI 200

Db

RESULT 35
US-11-096-568A-3065
; Sequence 3065, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 3065
; LENGTH: 466
```

```
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(466)
; OTHER INFORMATION: Ceres Seq. ID no. 15172412
US-11-096-568A-3065

Query Match      50.0%; Score 38; DB 7; Length 466;
Best Local Similarity 46.7%; Pred. No. 32;
Matches 7; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Cy      1 RYVDALNVLMAMNII 15
      ||| ||| : :|
      187 RYDITNVLSIGILI 201

Db

RESULT 36
US-11-096-568A-3067
; Sequence 3067, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 3067
; LENGTH: 466
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(466)
; OTHER INFORMATION: Ceres Seq. ID no. 16625551
US-11-096-568A-3067

Query Match      50.0%; Score 38; DB 7; Length 466;
Best Local Similarity 46.7%; Pred. No. 32;
Matches 7; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Cy      1 RYVDALNVLMAMNII 15
      ||| ||| : :|
      187 RYDITNVLSIGILI 201

Db

RESULT 37
US-11-096-568A-3064
; Sequence 3064, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 3064
; LENGTH: 528
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(528)
; OTHER INFORMATION: Ceres Seq. ID no. 15172411
US-11-096-568A-3064

Query Match      50.0%; Score 38; DB 7; Length 528;
Best Local Similarity 46.7%; Pred. No. 37;
Matches 7; Conservative 3; Mismatches 5; Indels 0; Gaps 0;
```

```
QY      1 RYVDALNVLAMNII 15
        |::| |::|
DB      249 RYDITNVLGIGLI 263
```

```

RESULT 38
US-11-096-568A-20330
; Sequence 20330, Application US/11096568A
; Publication NO. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 20330
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(545)
; OTHER INFORMATION: Cereas Seq. ID no. 12381522
; US-11-096-568A-20330

```

Query Match	50.0%	Score 38	DB 7	Length 545
Best Local Similarity	46.7%	Pred. No. 38		
Matches	7	Conservative	3	Mismatches 5; Indels 0; Gaps 0;
OY	1	RVDADNVLTMMANNIT	15	
		: : : : :		
Db	267	RIYDITNVLEIGIGLI	281	

```

RESULT 39
US-10-763-712A-122
? Sequence 122, Application US/10763712A
? Publication No. US20050266541A1
? GENERAL INFORMATION:
? APPLICANT: Solazyme, Inc.
? APPLICANT: Dillon, Harrison F.
? TITLE OF INVENTION: Methods and Compositions for Evolving Microbial Hydrogen
? TITLE OF INVENTION: Production
? FILE REFERENCE: H2042101-CIP
? CURRENT APPLICATION NUMBER: US/10/763, 712A
? CURRENT FILING DATE: 2004-01-21
? PRIOR APPLICATION NUMBER: US 10/287,750
? PRIOR FILING DATE: 2002-11-04
? PRIOR APPLICATION NUMBER: US 10/411,910
? PRIOR FILING DATE: 2003-04-12
? PRIOR APPLICATION NUMBER: US 60/500,032
? PRIOR FILING DATE: 2003-09-03
? NUMBER OF SEQ ID NOS: 184
? SOFTWARE: PatentIn version 3.2
? SEQ ID NO 122
? LENGTH: 361
? TYPE: PRF
? ORGANISM: Rhodospirillum rubrum
US-10-763-712A-122

```

Query Match	48.7%	Score 37	DB 6	Length 361
Best Local Similarly	77.8%	Pred. No. 35		
Matches 7	Conservative 2	Mismatches 0	Indels 0	Gaps 0

## RESULT 40

```

US-11-087-099-3735
; Sequence 3735, Application US/11087099
; Publication No. US20060041961A1
; GENERAL INFORMATION:
; APPLICANT: Abbd, Mark S. et al.
; TITLE OF INVENTION: Genes and Uses for Plant Improvement
; FILE REFERENCE: 38-21 (54450) B EP
; CURRENT APPLICATION NUMBER: US/11/087,099
; CURRENT FILING DATE: 2005-03-22
; NUMBER OF SEQ ID NOS: 12464
; SEQ ID NO 3735
; LENGTH: 462
; TYPE: PR1
; ORGANISM: Mycobacterium tuberculosis CDC1551
US-11-087-099-3735

```

Query Match	48.7%;	Score 37;	DB 7;	Length 462;
Best Local Similarity	58.3%;	Pred. No. 47;		
Matches	7;	Conservative	4;	Mismatches 1; Indels 0; Gaps 0;

```

RESULT 41
US-11-087-099-748
; Sequence 748, Application US/11087099
; Publication No. US20060041961A1
; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S. et al.
; TITLE OF INVENTION: Genes and Uses for Plant Improvement
; FILE REFERENCE: 38-21(53450) B EP
; CURRENT APPLICATION NUMBER: US/11/087,099
; CURRENT FILING DATE: 2005-03-22
; NUMBER OF SEQ ID NOS: 12464
; SEQ ID NO 748
; LENGTH: 489
; TYPE: PRF
; ORGANISM: Mycobacterium tuberculosis H37Rv
US-11-087-099-748

```

Query Match	48.7%	Score 37	DB 7	Length 489
Best Local Similarity	58.3%	Pred. No. 50		
Matches 7	Conservative	4	Mismatches	1
			Indels	0
			Gaps	0

```

RESULT 42
US-11-096-568A-152
; Sequence 152, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 152
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(113)
; OTHER INFORMATION: Ceres Seq. ID no. 13589210
US-11-096-568A-152

```

Query Match 47.4%; Score 36; DB 7; Length 113;  
Best Local Similarity 50.0%; Pred. No. 14;  
Matches 7; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 3 YDALNVLAMNIIS 16  
Db 92 YDVLVDVLAALSLSS 105

RESULT 43  
US-11-096-568A-153  
; Sequence 153, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nickolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; TITLE OF INVENTION: Theryby  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 153  
; LENGTH: 113  
; TYPE: PRT  
; ORGANISM: Zea mays subsp. mays  
; FEATURE:  
; NAME/KEY: misc.feature  
; LOCATION: (1)..(113)  
; OTHER INFORMATION: Ceres Seq. ID no. 16625398  
US-11-096-568A-153

Query Match 47.4%; Score 36; DB 7; Length 113;  
Best Local Similarity 50.0%; Pred. No. 14;  
Matches 7; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 3 YDALNVLAMNIIS 16  
Db 92 YDVLVDVLAALSLSS 105

RESULT 44  
US-11-096-568A-14850  
; Sequence 14850, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nickolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; TITLE OF INVENTION: Theryby  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 14850  
; LENGTH: 134  
; TYPE: PRT  
; ORGANISM: Zea mays subsp. mays  
; FEATURE:  
; NAME/KEY: misc.feature  
; LOCATION: (1)..(134)  
; OTHER INFORMATION: Ceres Seq. ID no. 12340613  
US-11-096-568A-14850

Query Match 47.4%; Score 36; DB 7; Length 134;  
Best Local Similarity 50.0%; Pred. No. 17;  
Matches 7; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 3 YDALNVLAMNIIS 16  
Db 92 YDVLVDVLAALSLSS 105

RESULT 45  
US-10-793-626-1526

; Sequence 1526, Application US/10793626  
; Publication No. US20050255478A1  
; GENERAL INFORMATION:  
; APPLICANT: KIMMERLY, WILLIAM JOHN  
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS  
; FILE REFERENCE: P03480US  
; CURRENT APPLICATION NUMBER: US/10/793,626  
; CURRENT FILING DATE: 2004-03-04  
; PRIOR APPLICATION NUMBER: 60/164,258  
; PRIOR FILING DATE: 1999-11-09  
; NUMBER OF SEQ ID NOS: 4472  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 1526  
; LENGTH: 321  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: synthetic  
US-10-793-626-1526

Query Match 47.4%; Score 36; DB 6; Length 321;  
Best Local Similarity 56.2%; Pred. No. 47;  
Matches 9; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy 1 RYDALNVLAMNIIS 16  
Db 245 RYRSLSGLQNSRIIS 260

RESULT 46  
US-11-172-145-10  
; Sequence 10, Application US/11172145  
; Publication No. US20050272696A1  
; GENERAL INFORMATION:  
; APPLICANT: DeAngelis, Paul  
; TITLE OF INVENTION: METHODS OF SELECTIVELY TREATING DISEASES WITH SPECIFIC  
; TITLE OF INVENTION: GLYCOSAMINOGLYCAN POLYMERS  
; FILE REFERENCE: 3554.104  
; CURRENT APPLICATION NUMBER: US/11/172,145  
; CURRENT FILING DATE: 2005-06-30  
; PRIOR APPLICATION NUMBER: 60/584,442  
; PRIOR FILING DATE: 2004-06-30  
; PRIOR APPLICATION NUMBER: 10/642,248  
; PRIOR FILING DATE: 2003-08-15  
; PRIOR APPLICATION NUMBER: 60/404,356  
; PRIOR FILING DATE: 2002-08-16  
; PRIOR APPLICATION NUMBER: 60/479,432  
; PRIOR FILING DATE: 2003-06-18  
; PRIOR APPLICATION NUMBER: 60/491,362  
; PRIOR FILING DATE: 2003-07-31  
; PRIOR APPLICATION NUMBER: 10/195,908  
; PRIOR FILING DATE: 2002-07-15  
; PRIOR APPLICATION NUMBER: 09/437,277  
; PRIOR FILING DATE: 1999-11-01  
; PRIOR APPLICATION NUMBER: 60/107,929  
; PRIOR FILING DATE: 1998-11-11  
; PRIOR APPLICATION NUMBER: 09/283,402  
; PRIOR FILING DATE: 1999-04-01  
; PRIOR APPLICATION NUMBER: 60/080,414  
; PRIOR FILING DATE: 1998-04-02  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: Patentin version 3.3  
; SEQ ID NO 10  
; LENGTH: 651  
; TYPE: PRT  
; ORGANISM: Pasteurella multocida  
US-11-172-145-10

Query Match 47.4%; Score 36; DB 7; Length 651;  
Best Local Similarity 50.0%; Pred. No. 1.1e+02;  
Matches 8; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

```

QY      1 RYVDALNVLMMNIIIS 16
      |||||  ||:|
Db     372 RYDALPVPQEMSKLS 387

```

```

RESULT 47
US-11-087-099-7122
; Sequence 7122, Application US/11087099
; Publication No. US20060041961A1.
; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S. et al.
; TITLE OF INVENTION: Genes and Uses for Plant Improvement
; FILE REFERENCE: 38-21(53450)B EP
; CURRENT APPLICATION NUMBER: US/11/087, 099
; CURRENT FILING DATE: 2005-03-22
; NUMBER OF SEQ ID NOS: 12464
; SEQ ID NO 7122
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Enterococcus faecium
; US-11-087-099-7122

```

Query Match	46.1%	Score 35;	DB 7;	Length 446;
Best Local Similarity	50.0%;	Pred. No. 1e+02;		
Matches	6;	Conservative	5;	Mismatches 1;
			Indels	0;
			Gaps	0;

QY	5	ALNVLMA	NIIS	16
			:   :	:
Db	132	ALMILMA	VLVA	143

```

RESULT 48
US-10-821-234-1309
/ Sequence 1309, Application US/10821234
/ Publication No. US20050255114A1
/ GENERAL INFORMATION:
/ APPLICANT: Labat, Ivan
/ APPLICANT: Steche-Crain, Birgit
/ APPLICANT: Andarmant, Susan
/ APPLICANT: Tang, Y. Tom
/ TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
/ FILE REFERENCE: 821A
/ CURRENT APPLICATION NUMBER: US/10/821,234
/ CURRENT FILING DATE: 2004-04-07
/ PRIOR APPLICATION NUMBER: US 60/462,047
/ PRIOR FILING DATE: 2003-04-07
/ NUMBER OF SEQ ID NOS: 1704
/ SOFTWARE: pc_seq_genes Version 1.0
/ SEQ ID NO 1305
/ LENGTH: 580
/ TYPE: PRF
/ ORGANISM: Homo sapiens
/ US-10-821-234-1309

```

Query Match	46.1%	Score 35;	DB 6;	Length 580;
Best Local Similarity	50.0%;	Pred. No. 1.4e+02;		
Matches	6;	Conservative	3;	Mismatches 3;
				Indels 0;
				Gaps 0;

```
QY      1 RYVDALNVLMM 12
        |::|:::
Db     312 RYDMMENVLLGL 323
```

RESULT 49  
 US-10-526-508-4  
 Sequence 4, Application US/10536508  
 Publication No. US200600014223A1  
 GENERAL INFORMATION:  
 APPLICANT: AEMETASTANT, HYOYUKI  
 APPLICANT: MIDORIKAWA, YUTAKA  
 APPLICANT: NAKANO, KIYOTAKA  
 APPLICANT: OHIZUMI, Iwao

```

/ APPLICANT: ITO, Yukio
/ APPLICANT: TOKITA, Susumu
/ TITLE OF INVENTION: METHOD FOR DIAGNOSING CANCER BY DETECTING GPC3
/ FILE REFERENCE:
/ CURRENT APPLICATION NUMBER: US/10/526,508
/ CURRENT FILING DATE: 2005-03-04
/ PRIOR APPLICATION NUMBER: PCT/JP02/08997
/ PRIOR FILING DATE: 2002-03-04
/ NUMBER OF SEQ ID NOS: 6
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 4
/ LENGTH: 580
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-10-526-508-4

```

Query Match	46.1%;	Score 35;	DB 6;	Length 580;
Best Local Similarity	50.0%;	Pred. No. 1.4e+02;		
Matches	6;	Conservative	3;	Mismatches 3;
			Indels	0;
			Gaps	0;

```
QY      1 RYVDALNVLMA 12
          |::|:::
Db      312 RYDMEVNLGL 323
```

```

RESULT 50
US-11-053-076-272
? Sequence 272, Application US/11053076
? Publication No. US20050255460A1
? GENERAL INFORMATION:
? APPLICANT: Lu, Peter S.
? APPLICANT: Schweizer, Johannes
? APPLICANT: Somara Diaz-Santiago, Chamorro
? APPLICANT: Belmares, Michael P.
? TITLE OF INVENTION: METHODS OF DIAGNOSING CERVICAL CANCER
? FILE REFERENCE: VITA-008C1P
? CURRENT APPLICATION NUMBER: US/11/053,076
? CURRENT FILING DATE: 2005-02-07
? PRIOR APPLICATION NUMBER: PCT/US03/28508
? PRIOR FILING DATE: 2003-09-09
? PRIOR APPLICATION NUMBER: 10/630,590
? PRIOR FILING DATE: 2003-07-29
? PRIOR APPLICATION NUMBER: 60/490,094
? PRIOR FILING DATE: 2003-07-25
? PRIOR APPLICATION NUMBER: 60/450,464
? PRIOR FILING DATE: 2003-02-27
? PRIOR APPLICATION NUMBER: 60/409,298
? PRIOR FILING DATE: 2002-09-09
? PRIOR APPLICATION NUMBER: 10/630,590
? PRIOR FILING DATE: 2003-07-29
? PRIOR APPLICATION NUMBER: PCT/US02/24655
? PRIOR FILING DATE: 2002-06-02
? PRIOR APPLICATION NUMBER: 60/309,841
? PRIOR FILING DATE: 2001-08-03
? PRIOR APPLICATION NUMBER: 60/360,061
? PRIOR FILING DATE: 2002-02-25
? PRIOR APPLICATION NUMBER: 10/080,273
? PRIOR FILING DATE: 2002-02-19
? Remaining Prior Application data removed - See File Wrapper
? NUMBER OF SEQ ID NOS: 330
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO 272
? LENGTH: 225
? TYPE: PRT
? ORGANISM: Homo sapiens
? OS-11-053-076-272

```

Query Match	44.7%	Score 34;	DB 7;	Length 225;
Best Local Similarity	50.0%	Pred. No. 70;		
Matches	6;	Conservative	5;	Mismatches 1;
				Indels 0;
				Gaps 0;

QY 2 VYDALNVLAMN 13  
:||||:|::|:

, Mon Mar 20 08:59:10 2006

us-09-900-147-5.rapbn

Page 19

Db 155 LYDALDVLYMD 166

Search completed: March 17, 2006, 21:19:25  
Job time : 16.0909 secs

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OM protein - protein search, using sw model

Run on: March 17, 2006, 21:13:09 ; Search time 108 Seconds  
(without alignments)  
61.901 Million cell updates/sec

Title: US-09-900-147-5  
Perfect score: 76  
Sequence: 1 RYDALNVLMANNIIS 16

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 1000 summaries

Database : Published Applications\_AA\_Main:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*
- 2: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep:\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep:\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep:\*
- 6: /cgn2\_6/ptodata/1/pubpaa/US11\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	76	100.0	16	3	US-09-900-147-5 Sequence 5, Appli
2	76	100.0	19	3	US-09-900-147-3 Sequence 3, Appli
3	76	100.0	28	5	US-10-752-505-22 Sequence 22, Appli
4	76	100.0	28	5	US-10-752-505-24 Sequence 24, Appli
5	76	100.0	37	3	US-09-900-147-1 Sequence 1, Appli
6	76	100.0	74	4	US-10-214-188-10 Sequence 10, Appli
7	76	100.0	149	5	US-10-450-763-35869 Sequence 35869, A
8	76	100.0	355	4	US-10-106-698-4846 Sequence 4846, Ap
9	76	100.0	424	5	US-10-450-763-58416 Sequence 58416, A
10	72	94.7	28	5	US-10-752-505-3 Sequence 3, Appli
11	72	94.7	28	5	US-10-752-505-21 Sequence 21, Appli
12	72	94.7	405	4	US-10-053-248-24 Sequence 24, Appli
13	72	94.7	405	4	US-10-345-837-24 Sequence 24, Appli
14	71	93.4	119	5	US-10-856-499-1157 Sequence 1157, Ap
15	71	93.4	120	5	US-10-856-499-1056 Sequence 1056, Ap
16	71	93.4	165	4	US-10-424-599-234773 Sequence 234773, A
17	71	93.4	207	4	US-10-425-114-71403 Sequence 71403, A
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22	71	93.4	320	4	US-10-424-599-186658 Sequence 186658, A
23	71	93.4	385	5	US-10-739-930-6734 Sequence 6734, Ap
24	71	93.4	445	6	US-11-097-143-9348 Sequence 9348, Ap
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40	52	68.4	185	5	US-10-450-763-35867 Sequence 35867, A
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44	48	63.2	381	4	US-10-425-114-40179 Sequence 40179, A
45	48	63.2	402	5	US-10-732-923-534 Sequence 534, Ap
46	48	63.2	403	5	US-10-732-923-3272 Sequence 3272, Ap
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62	45	59.2	315	4	US-10-425-115-347592 Sequence 347592, A
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64	45	59.2	317	5	US-10-732-923-3282 Sequence 3282, Ap
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66	45	59.2	394	5	US-10-732-923-3281 Sequence 3281, Ap
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68	45	59.2	397	5	US-10-732-923-3280 Sequence 3280, Ap
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70	45	59.2	424	4	US-10-425-115-345040 Sequence 345040, A
71	45	59.2	425	5	US-10-739-930-8006 Sequence 8006, Ap
72	45	59.2	444	4	US-10-389-566-435 Sequence 435, Ap
73	45	59.2	444	5	US-10-732-923-3285 Sequence 3285, Ap
74	45	59.2	867	4	US-10-177-744A-11 Sequence 11, Appli
75	45	59.2	881	3	US-10-732-923-3271 Sequence 3271, Ap
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77	44	57.9	210	4	US-10-424-599-155352 Sequence 155352, A
78	44	57.9	307	4	US-10-437-963-137138 Sequence 137138, A
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81	44	57.9	657	5	US-10-732-923-3289 Sequence 3289, Ap
82	44	57.9	805	4	US-10-108-605-113 Sequence 113, Appli
83	44	57.9	805	5	US-10-732-923-3425 Sequence 3425, Ap
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85	44	57.9	805	6	US-11-097-143-13704 Sequence 13704, A
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87	43	56.6	144	4	US-10-424-599-447784 Sequence 447784, A
88	43	56.6	200	5	US-10-732-923-3278 Sequence 3278, Ap
89	43	56.6	259	4	US-10-425-115-737114 Sequence 273714, A
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91	42	55.3	9	3	US-09-900-147-2 Sequence 2, Appli
92	42	55.3	200	5	US-10-732-923-3284 Sequence 3284, Ap
93	42	55.3	430	4	US-10-369-993-124277 Sequence 124277, A
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96	41	53.9	141	4	US-10-767-701-52826 Sequence 52826, A
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100	41	53.9	359	5	US-10-732-923-3277 Sequence 3277, Ap

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102	40.5	53.3	421	4	US-10-138-927-8	Sequence 8, Appli	175	38	50.0	74	4	US-10-214-188-6	Sequence 6, Appli
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106	40	52.6	616	4	US-10-428-599-176462	Sequence 176462, A	179	38	50.0	76	5	US-10-863-075-6	Sequence 6, Appli
107	40	52.6	175	5	US-10-739-930-10902	Sequence 10902, A	180	38	50.0	76	5	US-10-732-923-3448	Sequence 3448, Ap
108	40	52.6	277	4	US-10-425-115-300808	Sequence 300808, A	181	38	50.0	76	5	US-10-863-056-6	Sequence 6, Appli
109	40	52.6	287	5	US-10-732-923-3422	Sequence 3422, Ap	182	38	50.0	113	4	US-10-437-963-341114	Sequence 141114, A
110	40	52.6	308	4	US-10-425-114-47935	Sequence 47935, A	183	38	50.0	115	5	US-10-732-923-3407	Sequence 3407, Ap
111	40	52.6	412	5	US-10-732-923-3424	Sequence 3424, Ap	184	38	50.0	123	5	US-10-732-923-3406	Sequence 3406, Ap
112	40	52.6	470	5	US-10-732-923-3423	Sequence 3423, Ap	185	38	50.0	165	5	US-10-732-923-3413	Sequence 3413, Ap
113	40	52.6	533	4	US-10-425-114-52558	Sequence 52558, A	186	38	50.0	196	4	US-10-424-599-375831	Sequence 275831, A
114	40	52.6	645	4	US-10-425-114-53276	Sequence 53276, A	187	38	50.0	196	5	US-10-732-923-3386	Sequence 3386, Ap
115	40	52.6	688	4	US-10-429-949-7	Sequence 7, Appli	188	38	50.0	259	4	US-10-732-923-3446	Sequence 3446, Ap
116	40	52.6	739	4	US-10-424-599-178380	Sequence 178380, A	189	38	50.0	259	4	US-10-424-599-275865	Sequence 275865, A
117	40	52.6	762	4	US-10-221-074-4	Sequence 4, Appli	190	38	50.0	260	5	US-10-732-923-3471	Sequence 3401, Ap
118	40	52.6	762	4	US-10-424-599-178381	Sequence 178381, A	191	38	50.0	275	5	US-10-732-923-3442	Sequence 3442, Ap
119	40	52.6	763	4	US-10-221-074-13	Sequence 13, Appli	192	38	50.0	281	5	US-10-732-923-3430	Sequence 3430, Ap
120	40	52.6	765	4	US-10-425-114-47195	Sequence 47195, A	193	38	50.0	281	5	US-10-732-923-3441	Sequence 3441, Ap
121	40	52.6	1316	6	US-11-097-143-34581	Sequence 34581, A	194	38	50.0	282	5	US-10-732-923-3386	Sequence 3386, Ap
122	39.5	52.0	345	4	US-10-607-726-8	Sequence 8, Appli	195	38	50.0	324	3	US-09-220-091-9	Sequence 9, Appli
123	39.5	52.0	759	4	US-10-166-445-35	Sequence 35, Appli	196	38	50.0	321	5	US-10-732-923-3377	Sequence 3377, Ap
124	39	51.3	74	4	US-10-214-188-5	Sequence 7, Appli	197	38	50.0	342	5	US-10-732-923-3421	Sequence 3421, Ap
125	39	51.3	74	4	US-10-214-188-7	Sequence 7, Appli	198	38	50.0	370	5	US-10-732-923-3427	Sequence 3427, Ap
126	39	51.3	75	4	US-10-214-188-9	Sequence 9, Appli	199	38	50.0	370	6	US-11-097-143-168	Sequence 168, App
127	39	51.3	76	4	US-10-029-386-29071	Sequence 29071, A	200	38	50.0	386	5	US-10-732-923-3385	Sequence 3385, App
128	39	51.3	85	3	US-09-932-581-5	Sequence 5, Appli	201	38	50.0	390	3	US-09-895-913A-286	Sequence 286, App
129	39	51.3	85	4	US-10-165-614-2	Sequence 2, Appli	202	38	50.0	390	4	US-10-282-122A-58654	Sequence 58654, A
130	39	51.3	85	4	US-10-338-294-5	Sequence 5, Appli	203	38	50.0	391	5	US-10-732-923-3393	Sequence 3393, Ap
131	39	51.3	85	5	US-10-863-075-5	Sequence 5, Appli	204	38	50.0	396	5	US-10-732-923-3397	Sequence 3397, Ap
132	39	51.3	85	5	US-10-863-056-5	Sequence 5, Appli	205	38	50.0	396	5	US-10-732-923-3398	Sequence 3398, Ap
133	39	51.3	300	5	US-10-732-923-3376	Sequence 3376, Ap	206	38	50.0	400	5	US-10-732-923-3387	Sequence 3387, Ap
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135	39	51.3	334	5	US-10-732-923-3431	Sequence 3431, Ap	208	38	50.0	410	5	US-10-732-923-3365	Sequence 3365, Ap
136	39	51.3	335	5	US-10-214-188-4	Sequence 4, Appli	209	38	50.0	410	5	US-10-732-923-3366	Sequence 3366, Ap
137	39	51.3	335	5	US-10-732-923-3361	Sequence 3361, Ap	210	38	50.0	413	5	US-10-732-923-3435	Sequence 3435, Ap
138	39	51.3	335	5	US-10-732-923-3363	Sequence 3363, Ap	211	38	50.0	416	5	US-10-732-923-3436	Sequence 3436, Ap
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140	39	51.3	345	3	US-09-919-497-61	Sequence 61, Appli	213	38	50.0	426	5	US-10-732-923-3399	Sequence 3399, Ap
141	39	51.3	345	5	US-10-732-923-3437	Sequence 3437, Ap	214	38	50.0	431	5	US-10-732-923-3411	Sequence 3411, Ap
142	39	51.3	346	4	US-10-214-188-2	Sequence 2, Appli	215	38	50.0	436	4	US-10-310-154-450	Sequence 450, App
143	39	51.3	346	5	US-10-732-923-3438	Sequence 3438, Ap	216	38	50.0	436	5	US-10-732-923-536	Sequence 536, App
144	39	51.3	346	5	US-10-732-923-3439	Sequence 3439, Ap	217	38	50.0	437	5	US-10-732-923-3440	Sequence 3440, App
145	39	51.3	356	5	US-10-732-923-3360	Sequence 3360, Ap	218	38	50.0	439	4	US-10-156-761-11237	Sequence 11237, A
146	39	51.3	385	5	US-10-732-923-3372	Sequence 3372, Ap	219	38	50.0	439	5	US-10-732-923-3412	Sequence 3412, A
147	39	51.3	388	5	US-10-732-923-3380	Sequence 3380, Ap	220	38	50.0	443	5	US-10-732-923-3367	Sequence 3367, Ap
148	39	51.3	392	4	US-10-425-115-473956	Sequence 273956, A	221	38	50.0	446	4	US-10-437-963-130201	Sequence 130201, A
149	39	51.3	403	5	US-10-732-923-3429	Sequence 3429, Ap	222	38	50.0	446	4	US-10-425-115-245966	Sequence 245966, A
150	39	51.3	426	4	US-10-425-114-48721	Sequence 48721, A	223	38	50.0	454	5	US-10-732-923-3388	Sequence 3388, Ap
151	39	51.3	429	5	US-10-732-923-3428	Sequence 3428, Ap	224	38	50.0	458	5	US-10-732-923-3418	Sequence 3418, Ap
152	39	51.3	430	5	US-10-732-923-3373	Sequence 3373, Ap	225	38	50.0	469	5	US-10-732-923-3392	Sequence 3392, Ap
153	39	51.3	437	5	US-10-732-923-3443	Sequence 3443, Ap	226	38	50.0	469	5	US-10-732-923-3394	Sequence 3394, Ap
154	39	51.3	437	5	US-10-732-923-3445	Sequence 3445, Ap	227	38	50.0	480	5	US-10-732-923-3419	Sequence 3419, Ap
155	39	51.3	465	5	US-10-723-860-1265	Sequence 1265, Ap	228	38	50.0	540	4	US-10-369-493-3703	Sequence 3703, Ap
156	39	51.3	465	5	US-10-732-923-3432	Sequence 3432, Ap	229	38	50.0	632	4	US-10-425-115-296641	Sequence 296641, A
157	39	51.3	465	5	US-10-732-923-3433	Sequence 3433, Ap	230	38	50.0	632	4	US-10-425-115-296642	Sequence 296642, A
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159	39	51.3	465	5	US-10-450-763-32115	Sequence 32115, A	232	38	50.0	646	4	US-10-425-114-62821	Sequence 62821, A
160	39	51.3	471	5	US-10-732-923-3444	Sequence 3444, Ap	233	38	50.0	671	4	US-10-425-114-59173	Sequence 59173, A
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163	39	51.3	483	5	US-10-732-923-3389	Sequence 3389, Ap	236	38	50.0	875	4	US-10-282-122A-60678	Sequence 60678, A
164	39	51.3	485	5	US-10-489-500-2	Sequence 2, Appli	237	38	50.0	4064	5	US-10-651-398-14	Sequence 14, Appli
165	39	51.3	485	5	US-10-732-923-3390	Sequence 3390, Ap	238	37	48.7	39	4	US-10-437-963-140826	Sequence 140826, A
166	39	51.3	485	5	US-10-732-923-3391	Sequence 3391, Ap	239	37	48.7	59	4	US-10-424-599-375563	Sequence 275563, A
167	39	51.3	494	4	US-10-437-963-200087	Sequence 200087, A	240	37	48.7	161	5	US-10-425-115-361188	Sequence 361188, A
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169	39	51.3	514	5	US-10-732-923-3396	Sequence 3396, Ap	242	37	48.7	189	5	US-10-732-923-3378	Sequence 3378, Ap
170	39	51.3	532	5	US-10-732-923-3395	Sequence 3395, Ap	243	37	48.7	199	5	US-10-732-923-3381	Sequence 3381, Ap
171	39	51.3	618	4	US-10-424-599-882248	Sequence 282248, A	244	37	48.7	201	5	US-10-732-923-3374	Sequence 3374, Ap
172	38	50.0	29	5	US-10-752-505-1	Sequence 1, Appli	245	37	48.7	204	4	US-10-424-599-199429	Sequence 199429, A
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249	37	48.7	272	5	US-10-732-923-3370	Sequence 3370, Ap	322	35	46.1	487	5	US-10-732-923-23868	Sequence 23868, A
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251	37	48.7	511	4	US-10-425-114-48720	Sequence 48720, A	324	35	46.1	510	4	US-10-282-122A-51376	Sequence 51376, A
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253	37	48.7	642	4	US-10-156-761-12411	Sequence 12411, A	326	35	46.1	515	5	US-10-897-019-2	Sequence 2, Appl1
254	37	48.7	677	4	US-10-108-260A-4521	Sequence 4521, Ap	327	35	46.1	524	4	US-10-289-762-369	Sequence 369, App
255	37	48.7	742	4	US-10-424-599-147503	Sequence 147503, A	328	35	46.1	557	4	US-10-369-493-6480	Sequence 6480, App
256	37	48.7	760	4	US-10-282-122A-51167	Sequence 51167, A	329	35	46.1	561	4	US-10-369-493-6481	Sequence 6481, Ap
257	37	48.7	761	4	US-10-221-074-2	Sequence 2, Appl1	330	35	46.1	568	5	US-10-450-763-31798	Sequence 31798, A
258	37	48.7	1062	3	US-09-801-368-334	Sequence 234, App	331	35	46.1	579	4	US-10-267-502-776	Sequence 276, App
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260	37	48.7	1062	4	US-10-149-310-180	Sequence 180, App	333	35	46.1	580	5	US-10-643-795A-144	Sequence 144, App
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263	36.5	48.0	330	6	US-11-097-143-21243	Sequence 21243, A	336	35	46.1	580	5	US-10-948-518-144	Sequence 144, App
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266	36.5	48.0	757	4	US-10-437-963-173620	Sequence 173620, A	339	35	46.1	671	6	US-11-097-143-33168	Sequence 33168, A
267	36.5	48.0	784	4	US-10-437-963-173642	Sequence 173642, A	340	35	46.1	684	4	US-10-282-122A-48915	Sequence 48915, A
268	36	47.4	134	5	US-10-739-930-8588	Sequence 8588, Ap	341	35	46.1	756	4	US-10-389-566-1070	Sequence 1070, App
269	36	47.4	144	4	US-10-437-963-194716	Sequence 194716, Ap	342	35	46.1	955	4	US-10-156-761-15004	Sequence 15004, A
270	36	47.4	173	4	US-10-424-599-180589	Sequence 180589, A	343	35	46.1	956	4	US-10-238-075-1353	Sequence 1353, App
271	36	47.4	226	3	US-09-954-314-4	Sequence 4, Appl1	344	35	46.1	962	5	US-10-732-923-22453	Sequence 22453, A
272	36	47.4	226	4	US-10-230-562-4	Sequence 4, Appl1	345	35	46.1	1146	4	US-10-282-122A-60488	Sequence 60488, A
273	36	47.4	279	4	US-10-424-599-156273	Sequence 156273, A	346	35	46.1	1162	5	US-10-450-763-39517	Sequence 39517, A
274	36	47.4	279	5	US-10-739-930-9307	Sequence 9307, Ap	347	35	46.1	1178	4	US-10-359-493-21939	Sequence 21939, A
275	36	47.4	319	5	US-10-732-923-3414	Sequence 3414, Ap	348	35	46.1	1180	4	US-10-369-493-1491	Sequence 1491, Ap
276	36	47.4	341	4	US-10-282-122A-71071	Sequence 71071, A	349	35	46.1	1243	5	US-10-840-512-165	Sequence 165, App
277	36	47.4	342	4	US-10-724-972A-5255	Sequence 5255, A	350	35	46.1	1244	3	US-09-815-915-8	Sequence 8, Appl1
278	36	47.4	350	5	US-10-739-930-8799	Sequence 8799, Ap	351	35	46.1	1244	4	US-10-393-316-8	Sequence 84, Appl1
279	36	47.4	403	4	US-10-437-963-180337	Sequence 180337, A	352	35	46.1	1244	4	US-10-618-941-84	Sequence 84, Appl1
280	36	47.4	515	4	US-10-369-493-12447	Sequence 12447, A	353	35	46.1	1448	4	US-10-032-585-7452	Sequence 7452, Ap
281	36	47.4	651	4	US-10-142-143-6	Sequence 6, Appl1	354	35	46.1	1562	5	US-10-783-989-11	Sequence 11, Appl1
282	36	47.4	651	4	US-10-282-122A-66992	Sequence 66992, A	355	35	46.1	2049	5	US-10-732-923-8332	Sequence 8322, Ap
283	36	47.4	651	4	US-10-642-248-8	Sequence 8, Appl1	356	35	45.4	312	3	US-09-886-055-511	Sequence 511, App
284	36	47.4	651	4	US-10-814-752-6	Sequence 6, Appl1	357	34.5	45.4	312	3	US-09-804-291-511	Sequence 511, App
285	36	47.4	651	4	US-10-814-752-34	Sequence 34, Appl1	358	34.5	45.4	312	4	US-10-085-198-198	Sequence 198, App
286	36	47.4	758	4	US-10-389-566-2254	Sequence 2254, Appl	359	34.5	45.4	312	4	US-10-433-581-7	Sequence 7, Appl1
287	36	47.4	758	4	US-10-389-566-2255	Sequence 2255, Ap	360	34.5	45.4	312	5	US-10-819-316-511	Sequence 511, App
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290	36	47.4	879	5	US-10-933-035-3	Sequence 3, Appl1	363	34.5	45.4	359	4	US-10-292-798-594	Sequence 594, App
291	36	47.4	888	4	US-10-231-035-3	Sequence 3, Appl1	364	34	44.7	33	4	US-10-437-963-192730	Sequence 192730, A
292	36	47.4	888	5	US-10-756-149-5265	Sequence 5265, Ap	365	34	44.7	51	5	US-10-926-683-1231	Sequence 1231, Ap
293	36	47.4	1144	4	US-10-282-122A-52777	Sequence 52777, A	366	34	44.7	59	4	US-10-036-542-148	Sequence 148, App
294	36	47.4	1510	4	US-10-282-122A-49816	Sequence 49816, A	367	34	44.7	62	4	US-10-425-115-297615	Sequence 297615, A
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297	35	46.1	63	3	US-09-764-872-344	Sequence 344, App	370	34	44.7	67	4	US-10-424-599-112598	Sequence 212498, A
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313	35	46.1	416	5	US-10-732-923-23860	Sequence 23860, A	386	34	44.7	227	3	US-09-882-227-628	Sequence 628, App
314	35	46.1	418	4	US-10-282-122A-49150	Sequence 49150, A	387	34	44.7	227	4	US-10-335-927-8034	Sequence 8034, App
315	35	46.1	447	4	US-10-424-599-148178	Sequence 148178, A	388	34	44.7	231	5	US-10-908-400A-88	Sequence 88, Appl1
316	35	46.1	448	4	US-10-087-152-135	Sequence 135, App	389	34	44.7	232	4	US-10-908-960-6	Sequence 6, Appl1
317	35	46.1	452	4	US-10-369-493-861	Sequence 861, App	390	34	44.7	232	5	US-10-908-400A-89	Sequence 89, Appl1
318	35	46.1	452	5	US-10-732-923-11174	Sequence 11174, A	391	34	44.7	237	5	US-10-484-061-21	Sequence 21, Appl1
319	35	46.1	452	5	US-10-732-923-23895	Sequence 23895, A	392	34	44.7	237	5	US-10-908-400A-85	Sequence 85, Appl1

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395	34	44.7	239	3	US-09-823-153-7	Sequence 7, App1	468	34	44.7	339	4	US-10-322-746-17	Sequence 11, App1
396	34	44.7	239	4	US-10-335-977-8035	Sequence 8035, Ap	469	34	44.7	364	3	US-09-788-268-14	Sequence 14, App1
397	34	44.7	239	4	US-10-713-981-7	Sequence 7, App1	470	34	44.7	364	3	US-09-788-269-14	Sequence 14, App1
398	34	44.7	239	5	US-10-908-400A-82	Sequence 82, App1	471	34	44.7	366	4	US-10-322-746-15	Sequence 15, App1
399	34	44.7	239	5	US-10-908-400A-83	Sequence 83, App1	472	34	44.7	366	5	US-10-908-400A-76	Sequence 76, App1
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402	34	44.7	245	5	US-10-679-956-23	Sequence 23, App1	475	34	44.7	372	4	US-10-282-122A-54591	Sequence 54591, A
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404	34	44.7	248	5	US-10-908-400A-84	Sequence 84, App1	477	34	44.7	374	3	US-09-738-626-3572	Sequence 3572, Ap
405	34	44.7	252	4	US-10-677-956-18	Sequence 18, App1	478	34	44.7	377	4	US-10-322-746-13	Sequence 13, App1
406	34	44.7	258	5	US-10-908-400A-87	Sequence 87, App1	479	34	44.7	379	4	US-10-315-214-3	Sequence 3, App1
407	34	44.7	261	5	US-10-908-400A-78	Sequence 78, App1	480	34	44.7	385	4	US-10-437-963-131195	Sequence 131195,
408	34	44.7	263	4	US-10-282-122A-47129	Sequence 47129, A	481	34	44.7	394	3	US-09-990-578-4	Sequence 4, App1
409	34	44.7	263	4	US-10-437-963-130784	Sequence 130784,	482	34	44.7	397	4	US-10-008-960-11	Sequence 11, App1
410	34	44.7	267	3	US-09-815-242-5328	Sequence 5328, Ap	483	34	44.7	401	4	US-10-190-866A-1	Sequence 1, App1
411	34	44.7	271	5	US-10-908-400A-80	Sequence 80, App1	484	34	44.7	406	4	US-10-437-963-197939	Sequence 197939,
412	34	44.7	272	3	US-09-844-908-4	Sequence 23, App1	485	34	44.7	407	4	US-10-289-456-98	Sequence 98, App1
413	34	44.7	272	3	US-09-844-908-6	Sequence 6, App1	486	34	44.7	412	3	US-09-775-964-34	Sequence 34, App1
414	34	44.7	272	3	US-09-844-988-4	Sequence 4, App1	487	34	44.7	415	5	US-10-450-763-56730	Sequence 56730, A
415	34	44.7	272	3	US-09-844-988-6	Sequence 6, App1	488	34	44.7	417	4	US-10-369-493-2454	Sequence 2454, Ap
416	34	44.7	272	4	US-10-338-462-4	Sequence 4, App1	489	34	44.7	417	5	US-10-698-907-17	Sequence 17, App1
417	34	44.7	272	4	US-10-338-462-6	Sequence 6, App1	490	34	44.7	418	4	US-10-289-456-95	Sequence 95, App1
418	34	44.7	275	4	US-10-223-978-5	Sequence 5, App1	491	34	44.7	419	4	US-10-050-902-318	Sequence 318, App
419	34	44.7	275	5	US-10-713-981-5	Sequence 5, App1	492	34	44.7	419	4	US-10-050-898-318	Sequence 7, App1
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423	34	44.7	281	4	US-10-369-493-19560	Sequence 19560, A	496	34	44.7	447	4	US-10-156-761-10950	Sequence 10950, A
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433	34	44.7	298	3	US-09-910-600-26	Sequence 26, App1	506	34	44.7	478	4	US-10-369-493-14456	Sequence 14456, A
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437	34	44.7	306	5	US-10-908-400A-79	Sequence 79, App1	510	34	44.7	500	4	US-10-424-599-275172	Sequence 275172,
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440	34	44.7	310	4	US-10-375-214-1	Sequence 1, App1	513	34	44.7	507	6	US-11-037-143-40926	Sequence 40926, A
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442	34	44.7	321	3	US-10-425-115-187026	Sequence 187026,	515	34	44.7	514	4	US-10-044-539-3119	Sequence 319, App
443	34	44.7	323	3	US-09-815-242-12514	Sequence 12514, A	516	34	44.7	514	4	US-10-325-810-605	Sequence 605, App
444	34	44.7	323	3	US-09-815-242-12857	Sequence 12857, A	517	34	44.7	514	4	US-10-369-493-12730	Sequence 12730, A
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450	34	44.7	335	4	US-10-423-156-5	Sequence 5, App1	523	34	44.7	515	4	US-10-325-810-604	Sequence 604, App
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452	34	44.7	338	4	US-10-322-746-23	Sequence 23, App1	525	34	44.7	515	5	US-10-877-022-604	Sequence 604, App
453	34	44.7	339	4	US-10-425-114-54506	Sequence 54506, A	526	34	44.7	515	5	US-10-877-146-604	Sequence 604, App
454	34	44.7	341	4	US-10-336-491-2	Sequence 2, App1	527	34	44.7	517	5	US-10-732-923-767	Sequence 767, App
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459	34	44.7	348	3	US-09-910-600-22	Sequence 22, App1	532	34	44.7	517	5	US-10-877-124-606	Sequence 606, App
460	34	44.7	348	3	US-09-910-600-23	Sequence 23, App1	533	34	44.7	517	5	US-10-877-022-606	Sequence 606, App
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465	34	44.7	354	3	US-09-823-153-8	Sequence 8, App1	538	34	44.7	530	4	US-10-325-810-603	Sequence 603, App

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541	34	44.7	530	5	US-10-877-146-603	Sequence 603, App	614	33	43.4	71	4	US-10-437-963-123814	Sequence 123814,
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544	34	44.7	534	4	US-10-425-114-39261	Sequence 39261, A	617	33	43.4	85	4	US-10-424-599-1514537	Sequence 214637,
545	34	44.7	538	4	US-10-044-692-316	Sequence 316, App	618	33	43.4	97	4	US-10-424-599-147415	Sequence 144715,
546	34	44.7	538	4	US-10-044-593-316	Sequence 316, App	619	33	43.4	106	4	US-10-767-701-55667	Sequence 55667, A
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551	34	44.7	542	4	US-10-424-599-244216	Sequence 244216,	624	33	43.4	117	4	US-10-425-115-258446	Sequence 258446,
552	34	44.7	545	4	US-10-425-114-38986	Sequence 38986, A	625	33	43.4	122	4	US-10-424-599-275131	Sequence 275131,
553	34	44.7	546	4	US-10-369-493-848	Sequence 848, App	626	33	43.4	123	4	US-10-424-599-179561	Sequence 179561,
554	34	44.7	566	4	US-10-282-122A-43006	Sequence 43006, A	627	33	43.4	131	4	US-10-425-115-339717	Sequence 339717,
555	34	44.7	579	5	US-10-623-386-11	Sequence 11, App	628	33	43.4	135	4	US-10-424-599-200600	Sequence 200600,
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557	34	44.7	584	4	US-10-437-963-127071	Sequence 127071,	630	33	43.4	143	4	US-10-425-115-102846	Sequence 310246,
558	34	44.7	599	4	US-10-369-493-18440	Sequence 18440, A	631	33	43.4	143	4	US-10-425-115-339181	Sequence 339181,
559	34	44.7	649	4	US-10-174-784-9	Sequence 9, App	632	33	43.4	160	4	US-10-437-963-160643	Sequence 160643,
560	34	44.7	653	4	US-10-425-114-54035	Sequence 54035, A	633	33	43.4	176	4	US-10-425-115-339717	Sequence 339717,
561	34	44.7	658	6	US-11-096-396-10	Sequence 10, App	634	33	43.4	183	4	US-10-767-701-52954	Sequence 52954, A
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563	34	44.7	692	4	US-10-318-308-1	Sequence 1, App	636	33	43.4	202	4	US-10-425-115-274257	Sequence 274257,
564	34	44.7	692	4	US-10-624-619A-19	Sequence 19, App	637	33	43.4	203	4	US-10-767-701-35159	Sequence 35159, A
565	34	44.7	700	4	US-10-282-122A-61401	Sequence 61401, A	638	33	43.4	205	5	US-10-732-923-3375	Sequence 339717,
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578	34	44.7	834	4	US-10-437-963-134387	Sequence 134387,	651	33	43.4	250	4	US-10-282-122A-61515	Sequence 61515, A
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603	34	44.7	1399	4	US-10-437-963-170143	Sequence 170143,	676	33	43.4	394	4	US-10-424-599-152912	Sequence 152912,
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835	33	43.4	458	4	US-10-179-525-498	Sequence 498, App	908	33	43.4	458	4	US-10-202-476-498	Sequence 498, App
836	33	43.4	458	4	US-10-180-540-498	Sequence 498, App	909	33	43.4	458	4	US-10-202-934-498	Sequence 498, App
837	33	43.4	458	4	US-10-180-545-498	Sequence 498, App	910	33	43.4	458	4	US-10-202-935-498	Sequence 498, App
838	33	43.4	458	4	US-10-183-006-498	Sequence 498, App	911	33	43.4	458	4	US-10-202-936-498	Sequence 498, App
839	33	43.4	458	4	US-10-183-008-498	Sequence 498, App	912	33	43.4	458	4	US-10-202-939-498	Sequence 498, App
840	33	43.4	458	4	US-10-183-017-498	Sequence 498, App	913	33	43.4	458	4	US-10-205-504-498	Sequence 498, App
841	33	43.4	458	4	US-10-183-019-498	Sequence 498, App	914	33	43.4	458	4	US-10-205-509-498	Sequence 498, App
842	33	43.4	458	4	US-10-184-618-498	Sequence 498, App	915	33	43.4	458	4	US-10-205-895-498	Sequence 498, App
843	33	43.4	458	4	US-10-184-625-498	Sequence 498, App	916	33	43.4	458	4	US-10-205-899-498	Sequence 498, App
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845	33	43.4	458	4	US-10-184-627-498	Sequence 498, App	918	33	43.4	458	4	US-10-205-909-498	Sequence 498, App
846	33	43.4	458	4	US-10-184-645-498	Sequence 498, App	919	33	43.4	458	4	US-10-195-890-498	Sequence 498, App
847	33	43.4	458	4	US-10-184-654-498	Sequence 498, App	920	33	43.4	458	4	US-10-183-002-498	Sequence 498, App
848	33	43.4	458	4	US-10-184-655-498	Sequence 498, App	921	33	43.4	458	4	US-10-184-621-498	Sequence 498, App
849	33	43.4	458	4	US-10-188-774-498	Sequence 498, App	922	33	43.4	458	4	US-10-184-638-498	Sequence 498, App
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851	33	43.4	458	4	US-10-194-462-498	Sequence 498, App	924	33	43.4	458	4	US-10-187-887-498	Sequence 498, App
852	33	43.4	458	4	US-10-194-465-498	Sequence 498, App	925	33	43.4	458	4	US-10-194-461-498	Sequence 498, App
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855	33	43.4	458	4	US-10-195-894-498	Sequence 498, App	928	33	43.4	458	4	US-10-197-694-498	Sequence 498, App
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863	33	43.4	458	4	US-10-179-522-498	Sequence 498, App	936	33	43.4	458	4	US-10-201-328-498	Sequence 498, App
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871	33	43.4	458	4	US-10-192-010-498	Sequence 498, App	944	33	43.4	458	4	US-10-202-472-498	Sequence 498, App
872	33	43.4	458	4	US-10-205-908-498	Sequence 498, App	945	33	43.4	458	4	US-10-205-502-498	Sequence 498, App
873	33	43.4	458	4	US-10-184-619-498	Sequence 498, App	946	33	43.4	458	4	US-10-205-507-498	Sequence 498, App
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875	33	43.4	458	4	US-10-187-750-498	Sequence 498, App	948	33	43.4	458	4	US-10-205-902-498	Sequence 498, App
876	33	43.4	458	4	US-10-188-780-498	Sequence 498, App	949	33	43.4	458	4	US-10-205-907-498	Sequence 498, App
877	33	43.4	458	4	US-10-192-015-498	Sequence 498, App	950	33	43.4	458	4	US-10-176-484-498	Sequence 498, App
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884	33	43.4	458	4	US-10-196-750-498	Sequence 498, App	957	33	43.4	458	4	US-10-205-897-498	Sequence 498, App
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886	33	43.4	458	4	US-10-197-700-498	Sequence 498, App	959	33	43.4	458	4	US-10-180-550-498	Sequence 498, App
887	33	43.4	458	4	US-10-197-705-498	Sequence 498, App	960	33	43.4	458	4	US-10-183-014-498	Sequence 498, App
888	33	43.4	458	4	US-10-197-708-498	Sequence 498, App	961	33	43.4	458	4	US-10-187-738-498	Sequence 498, App
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890	33	43.4	458	4	US-10-198-765-498	Sequence 498, App	963	33	43.4	458	4	US-10-187-883-498	Sequence 498, App
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892	33	43.4	458	4	US-10-198-769-498	Sequence 498, App	965	33	43.4	458	4	US-10-194-460-498	Sequence 498, App
893	33	43.4	458	4	US-10-199-305-498	Sequence 498, App	966	33	43.4	458	4	US-10-194-463-498	Sequence 498, App
894	33	43.4	458	4	US-10-199-306-498	Sequence 498, App	967	33	43.4	458	4	US-10-199-484-498	Sequence 498, App
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897	33	43.4	458	4	US-10-199-314-498	Sequence 498, App	970	33	43.4	458	4	US-10-196-755-498	Sequence 498, App
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900	33	43.4	458	4	US-10-199-666-498	Sequence 498, App	973	33	43.4	458	4	US-10-198-758-498	Sequence 498, App
901	33	43.4	458	4	US-10-199-669-498	Sequence 498, App	974	33	43.4	458	4	US-10-198-766-498	Sequence 498, App
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980 33 43.4 458 4 US-10-202-412-498 Sequence 498, App
981 33 43.4 458 4 US-10-206-919-498 Sequence 498, App
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995 33 43.4 458 4 US-10-184-633-498 Sequence 498, App
996 33 43.4 458 4 US-10-184-639-498 Sequence 498, App
997 33 43.4 458 4 US-10-187-742-498 Sequence 498, App
998 33 43.4 458 4 US-10-187-748-498 Sequence 498, App
999 33 43.4 458 4 US-10-188-766-498 Sequence 498, App
1000 33 43.4 458 4 US-10-188-771-498 Sequence 498, App
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## ALIGNMENTS

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RESULT 1
US-09-900-147-5
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Sequence 5, Application US/09900147
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```
Patent No. US20020103121A1
```

```
GENERAL INFORMATION:
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```
APPLICANT: La Thangue, Nicholas B
```

```
TITLE OF INVENTION: Peptide antagonists of DP transcription factors
```

```
FILE REFERENCE: 620-67
```

```
CURRENT FILING DATE: 2001-07-09
```

```
PRIOR APPLICATION NUMBER: US/09/900.147
```

```
PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
```

```
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
```

```
PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
```

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NUMBER OF SEQ ID NOS: 18
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SOFTWARE: Patentin Ver. 2.1
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SEQ ID NO 5
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LENGTH: 16
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TYPE: PRT
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ORGANISM: Artificial Sequence
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FEATURE:
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OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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US-09-900-147-5
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Query Match 100.0%; Score 76; DB 3; Length 16;
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Best Local Similarity 100.0%; Pred. No. 1.3e-06;
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Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 RYVDALNVLMAMNTIS 16
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Db 1 RYVDALNVLMAMNTIS 16
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RESULT 2
US-09-900-147-3
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Sequence 3, Application US/09900147
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Patent No. US20020103121A1
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```
GENERAL INFORMATION:
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```
APPLICANT: La Thangue, Nicholas B
```

```
TITLE OF INVENTION: Peptide antagonists of DP transcription factors
```

```
FILE REFERENCE: 620-67
```

```
CURRENT APPLICATION NUMBER: US/09/900.147
```

```
CURRENT FILING DATE: 2001-07-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 18
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 3
LENGTH: 19
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-3
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Best Local Similarity 100.0%; Pred. No. 1.6e-06;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 3 RYVDALNVLMAMNTIS 18
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RESULT 3
US-10-752-505-22
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Sequence 22, Application US/10752505
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```
Publication No. US20050137138A1
```

```
GENERAL INFORMATION:
```

```
APPLICANT: Shubata, Kenji
```

```
APPLICANT: Yamaseaki, Motoo
```

```
APPLICANT: Yoshida, Tetsuo
```

```
APPLICANT: Mizukami, Tamio
```

```
TITLE OF INVENTION: B2F Activity-Inhibiting Compound
```

```
FILE REFERENCE: 766.29
```

```
CURRENT APPLICATION NUMBER: US/10/752.505
```

```
CURRENT FILING DATE: 2004-01-08
```

```
PRIOR APPLICATION NUMBER: US/09/269,576
```

```
PRIOR FILING DATE: 1999-03-30
```

```
PRIOR APPLICATION NUMBER: PCT/JP97/03442
```

```
PRIOR FILING DATE: 1997-09-26
```

```
PRIOR APPLICATION NUMBER: JP 259432/1996
```

```
PRIOR FILING DATE: 1996-09-30
```

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NUMBER OF SEQ ID NOS: 27
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SOFTWARE: WordPerfect 8
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SEQ ID NO 22
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LENGTH: 28
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TYPE: PRT
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ORGANISM: Artificial Sequence
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FEATURE:
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OTHER INFORMATION: Synthetic
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US-10-752-505-22
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```
Query Match 100.0%; Score 76; DB 5; Length 28;
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Best Local Similarity 100.0%; Pred. No. 2.6e-06;
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Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 RYVDALNVLMAMNTIS 16
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Db 13 RYVDALNVLMAMNTIS 28
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RESULT 4
US-10-752-505-24
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Sequence 24, Application US/10752505
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```
Publication No. US20050137138A1
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```
GENERAL INFORMATION:
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```
APPLICANT: Shubata, Kenji
```

```
APPLICANT: Yamaseaki, Motoo
```

```
APPLICANT: Yoshida, Tetsuo
```

```
APPLICANT: Mizukami, Tamio
```

```
TITLE OF INVENTION: B2F Activity-Inhibiting Compound
```

```
FILE REFERENCE: 766.29
```



;; CURRENT APPLICATION NUMBER: US/10/752.505  
;; CURRENT FILING DATE: 2004-01-08  
;; PRIOR APPLICATION NUMBER: US/09/269.576  
;; PRIOR FILING DATE: 1999-03-30  
;; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
;; PRIOR FILING DATE: 1997-09-26  
;; PRIOR APPLICATION NUMBER: JP 259432/1996  
;; PRIOR FILING DATE: 1996-09-30  
;; NUMBER OF SEQ ID NOS: 27  
;; SOFTWARE: Wordperfect 8  
;; SEQ ID NO 24  
;; LENGTH: 28  
;; TYPE: PRT  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Synthetic  
US-10-752-505-24

Query Match 100.0%; Score 76; DB 5; Length 28;  
Best Local Similarity 100.0%; Pred. No. 2.6e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 RYDALNVTMMNTIS 16  
DB 13 RYDALNVTMMNTIS 28

RESULT 5  
US-09-900-147-1

;; Sequence 1, Application US/09900147  
;; Patent No. US20020103121A1  
;; GENERAL INFORMATION:  
;; APPLICANT: La Thangue, Nicholas B  
;; APPLICANT: Bandaru, Lasantha R  
;; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
;; FILE REFERENCE: 620-67  
;; CURRENT APPLICATION NUMBER: US/09/900.147  
;; PRIOR FILING DATE: 2001-07-09  
;; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308.935  
;; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
;; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
;; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
;; NUMBER OF SEQ ID NOS: 18  
;; SOFTWARE: PatentIn Ver. 2.1  
;; SEQ ID NO 1  
;; LENGTH: 37  
;; TYPE: PRT  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-900-147-1

Query Match 100.0%; Score 76; DB 3; Length 37;  
Best Local Similarity 100.0%; Pred. No. 3.6e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 RYDALNVTMMNTIS 16  
DB 6 RYDALNVTMMNTIS 21

RESULT 6  
US-10-214-188-10

;; Sequence 10, Application US/10214188  
;; Publication No. US2003002260A1  
;; GENERAL INFORMATION:  
;; APPLICANT: LA THANGUE, NICHOLAS B.  
;; BERNARDS, RENE  
;; HUMANS, ELEANOR M.  
;; TITLE OF INVENTION: TRANSCRIPTION FACTOR E2F-5  
;; NUMBER OF SEQUENCES: 25  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSER: NIXON & VANDERHAYE P. C.

;; STREET: 1100 NORTH GLEBE ROAD  
;; CITY: ARLINGTON  
;; STATE: VIRGINIA  
;; COUNTRY: U.S.A.  
;; ZIP: 22201-4714

;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/10/214.188  
;; FILING DATE: 08-Aug-2002  
;; CLASSIFICATION: <Unknown>

;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/994.139  
;; FILING DATE: 13-AUG-1997  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: WILSON, MARY J.  
;; REGISTRATION NUMBER: 32.955  
;; REFERENCE/DOCKET NUMBER: 620-22

;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (703) 816-4000  
;; TELEFAX: (703) 816-4100  
;; INFORMATION FOR SEQ ID NO: 10:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 74 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: <Unknown>  
;; TOPOLOGY: linear

;; MOLECULE TYPE: peptide  
;; SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
US-10-214-188-10

Query Match 100.0%; Score 76; DB 4; Length 74;  
Best Local Similarity 100.0%; Pred. No. 8e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 RYDALNVTMMNTIS 16  
DB 48 RYDALNVTMMNTIS 63

RESULT 7  
US-10-450-763-35869

;; Sequence 35869, Application US/10450763  
;; Publication No. US20050196754A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Hyseq, Inc  
;; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
;; FILE REFERENCE: 790CIP3/US  
;; CURRENT APPLICATION NUMBER: US/10/450.763  
;; CURRENT FILING DATE: 2003-06-11  
;; PRIOR APPLICATION NUMBER: PCT/US01/08631  
;; PRIOR FILING DATE: 2001-03-30  
;; PRIOR APPLICATION NUMBER: 09/540.217  
;; PRIOR FILING DATE: 2000-03-31  
;; PRIOR APPLICATION NUMBER: 09/649.167  
;; PRIOR FILING DATE: 2000-08-23  
;; NUMBER OF SEQ ID NOS: 60736  
;; SOFTWARE: Custom  
;; SEQ ID NO 35869  
;; LENGTH: 149  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-450-763-35869

Query Match 100.0%; Score 76; DB 5; Length 149;  
Best Local Similarity 100.0%; Pred. No. 1.8e-05;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 RYDALNVTMMNTIS 16

Db 27 RYDVALNVLMMANNIIS 42

RESULT 8

US-10-106-698-4846

Sequence 4846, Application US/10106698

Publication No. US20030109690A1

GENERAL INFORMATION:

APPLICANT: Ruben et al.

TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide

FILE REFERENCE: PA005P1

CURRENT APPLICATION NUMBER: US/10/106,698

PRIOR FILING DATE: 2002-03-27

PRIOR APPLICATION NUMBER: PCT/US00/26524

PRIOR FILING DATE: 2000-09-28

PRIOR APPLICATION NUMBER: US 60/157,137

PRIOR FILING DATE: 1999-09-29

PRIOR APPLICATION NUMBER: US 60/163,280

PRIOR FILING DATE: 1999-11-03

NUMBER OF SEQ ID NOS: 8564

SOFTWARE: PatentIn Ver. 3.0

SEQ ID NO 4846

LENGTH: 355

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: MISC FEATURE

LOCATION: (342)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: MISC FEATURE

LOCATION: (348)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: MISC FEATURE

LOCATION: (351)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: MISC FEATURE

LOCATION: (352)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-10-106-698-4846

Query Match 100.0%; Score 76; DB 4; Length 355;

Best Local Similarity 100.0%; Pred. No. 4.9e-05;

Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDVALNVLMMANNIIS 16

Db 174 RYDVALNVLMMANNIIS 189

RESULT 9

US-10-450-763-58416

Sequence 58416, Application US/10450763

Publication No. US20050196754A1

GENERAL INFORMATION:

APPLICANT: Hyseq, Inc

TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

FILE REFERENCE: 790CIP3/US

CURRENT APPLICATION NUMBER: US/10/450,763

PRIOR FILING DATE: 2003-06-11

PRIOR APPLICATION NUMBER: PCT/US01/08631

PRIOR FILING DATE: 2001-03-30

PRIOR APPLICATION NUMBER: 09/540,217

PRIOR FILING DATE: 2000-03-31

PRIOR APPLICATION NUMBER: 09/649,167

PRIOR FILING DATE: 2000-08-23

NUMBER OF SEQ ID NOS: 60736

SOFTWARE: Custom

SEQ ID NO 58416

LENGTH: 424

TYPE: PRT

ORGANISM: Homo sapiens

US-10-450-763-58416

Query Match 100.0%; Score 76; DB 5; Length 424;

Best Local Similarity 100.0%; Pred. No. 6.1e-05;

Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDVALNVLMMANNIIS 16

Db 161 RYDVALNVLMMANNIIS 176

RESULT 10

US-10-752-505-3

Sequence 3, Application US/10752505

Publication No. US20050137138A1

GENERAL INFORMATION:

APPLICANT: Shubata, Kenji

APPLICANT: Yamanaaki, Motoo

APPLICANT: Yoshida, Tetsuo

APPLICANT: Mizukami, Tamio

TITLE OF INVENTION: E2F Activity-Inhibiting Compound

FILE REFERENCE: 766.29

CURRENT APPLICATION NUMBER: US/10/752,505

PRIOR FILING DATE: 2004-01-08

PRIOR APPLICATION NUMBER: US/09/269,576

PRIOR FILING DATE: 1999-03-30

PRIOR APPLICATION NUMBER: PCT/JP97/03442

PRIOR FILING DATE: 1997-09-26

PRIOR APPLICATION NUMBER: JP 259432/1996

PRIOR FILING DATE: 1996-09-30

NUMBER OF SEQ ID NOS: 27

SOFTWARE: WordPerfect 8

SEQ ID NO 3

LENGTH: 28

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Synthetic

FEATURE:

NAME/KEY: Modified-site

LOCATION: 1

OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-asparagine

NAME/KEY: Modified-site

LOCATION: 28

OTHER INFORMATION: Xaa at position 28 representing L-serinamide

US-10-752-505-3

Query Match 94.7%; Score 72; DB 5; Length 28;

Best Local Similarity 100.0%; Pred. No. 1.3e-05;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDVALNVLMMANNI 15

Db 13 RYDVALNVLMMANNI 27

RESULT 11

US-10-752-505-21

Sequence 21, Application US/10752505

Publication No. US20050137138A1

GENERAL INFORMATION:

APPLICANT: Shubata, Kenji

APPLICANT: Yamanaaki, Motoo

APPLICANT: Yoshida, Tetsuo

APPLICANT: Mizukami, Tamio

TITLE OF INVENTION: E2F Activity-Inhibiting Compound

FILE REFERENCE: 766.29

CURRENT APPLICATION NUMBER: US/10/752,505

PRIOR FILING DATE: 2004-01-08

PRIOR APPLICATION NUMBER: US/09/269,576

PRIOR FILING DATE: 1999-03-30

PRIOR APPLICATION NUMBER: PCT/JP97/03442

PRIOR FILING DATE: 1997-09-26

PRIOR APPLICATION NUMBER: JP 259432/1996

```
; PRIOR FILING DATE: 1996-09-30
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: WordPerfect 8
; SEQ ID NO 21
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: Xaa at position 1 representing N-[auryl-L-asparagine
; LOCATION: 28
; OTHER INFORMATION: Xaa at position 28 representing L-serinamide
US-10-752-505-21

Query Match          94.7%; Score 72; DB 5; Length 28;
Best Local Similarity 100.0%; Pred. No. 1,3e-05;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 RYDALNVTMMAMNII 15
DB      13 RYDALNVTMMAMNII 27

RESULT 12
US-10-053-248-24
; Sequence 24, Application US/10053248
; Publication No. US20030144188A1
; GENERAL INFORMATION:
; APPLICANT: Lin, Biaoyang
; TITLE OF INVENTION: Androgen Regulated Nucleic Acid
; FILE REFERENCE: P-IS 4814
; CURRENT APPLICATION NUMBER: US/10/053,248
; CURRENT FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-053-248-24

Query Match          94.7%; Score 72; DB 4; Length 405;
Best Local Similarity 93.8%; Pred. No. 0.00029;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 RYDALNVTMMAMNII 16
DB      163 RYDALNVTMMAMNII 178

RESULT 13
US-10-345-837-24
; Sequence 24, Application US/10345837
; Publication No. US20040137440A1
; GENERAL INFORMATION:
; APPLICANT: Lin, Biaoyang
; TITLE OF INVENTION: Androgen Regulated Nucleic Acid
; FILE REFERENCE: P-IS 5589
; CURRENT APPLICATION NUMBER: US/10/345,837
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 10/053,248
; PRIOR FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 405
```

```
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-345-837-24

Query Match          94.7%; Score 72; DB 4; Length 405;
Best Local Similarity 93.8%; Pred. No. 0.00029;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 RYDALNVTMMAMNII 16
DB      163 RYDALNVTMMAMNII 178

RESULT 14
US-10-856-499-1157
; Sequence 1157, Application US/10856499
; Publication No. US20040259145A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Marion
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; FILE REFERENCE: 11000.1021C2
; CURRENT APPLICATION NUMBER: US/10/856,499
; CURRENT FILING DATE: 2004-05-28
; NUMBER OF SEQ ID NOS: 2370
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1157
; LENGTH: 119
; TYPE: PRT
; ORGANISM: Pinus radiata
US-10-856-499-1157

Query Match          93.4%; Score 71; DB 5; Length 119;
Best Local Similarity 93.8%; Pred. No. 0.00011;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 RYDALNVTMMAMNII 16
DB      76 RYDALNVTMMAMNII 91

RESULT 15
US-10-856-499-1056
; Sequence 1056, Application US/10856499
; Publication No. US20040259145A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Marion
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; FILE REFERENCE: 11000.1021C2
; CURRENT APPLICATION NUMBER: US/10/856,499
; CURRENT FILING DATE: 2004-05-28
; NUMBER OF SEQ ID NOS: 2370
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Pinus radiata
US-10-856-499-1056

Query Match          93.4%; Score 71; DB 5; Length 120;
Best Local Similarity 93.8%; Pred. No. 0.00011;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 RYDALNVTMMAMNII 16
DB      75 RYDALNVTMMAMNII 90
```

```
RESULT 16
US-10-424-599-234773
; Sequence 234773, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 234773
; LENGTH: 165
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_54029C.1.pep
US-10-424-599-234773

Query Match      93.4%; Score 71; DB 4; Length 165;
Best Local Similarity 93.8%; Pred. No. 0.00016;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 RYVDALNVLMAMNIIIS 16
Db      147 RYVDALNVLMAMDIIS 162

RESULT 17
US-10-425-114-71403
; Sequence 71403, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jindong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53213)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 71403
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Zea mays subsp. mexicana
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMR0TEOSINTE119B07_FLI.pep
US-10-425-114-71403

Query Match      93.4%; Score 71; DB 4; Length 207;
Best Local Similarity 93.8%; Pred. No. 0.0002;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 RYVDALNVLMAMNIIIS 16
Db      11 RYVDALNVLMAMDIIS 26

RESULT 18
US-10-425-114-36974
; Sequence 36974, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Liu, Jindong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53113)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 36974
; LENGTH: 222
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3170-045-C12_FLI.pep
US-10-425-114-36974

Query Match      93.4%; Score 71; DB 4; Length 222;
Best Local Similarity 93.8%; Pred. No. 0.00022;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 RYVDALNVLMAMNIIIS 16
Db      32 RYVDALNVLMAMDIIS 47

RESULT 19
US-10-425-115-272014
; Sequence 272014, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 272014
; LENGTH: 301
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_179669C.1.pep
US-10-425-115-272014

Query Match      93.4%; Score 71; DB 4; Length 301;
Best Local Similarity 93.8%; Pred. No. 0.00031;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 RYVDALNVLMAMNIIIS 16
Db      105 RYVDALNVLMAMDIIS 120

RESULT 20
US-10-424-599-185947
; Sequence 185947, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
```

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TYPE: PRT
ORGANISM: Glycine max
FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(320)
OTHER INFORMATION: unsure at all Xaa locations
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT3847_139556C.1.pcp
US-10-424-599-186648

Query Match
Best Local Similarity 93.4%; Score 71; DB 4; Length 320;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 RYDVALNVLMMAMNTIS 16
|||||
Db 126 RYDVALNVLMMAMDIIS 141

RESULT 23
US-10-739-930-6734
Sequence 6734, Application US/10739930
Publication No. US20040216190A1
GENERAL INFORMATION:
APPLICANT: Kovalic, David K.
TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
FILE REFERENCE: 38-21(53377)B
CURRENT APPLICATION NUMBER: US/10/739,930
CURRENT FILING DATE: 2003-12-18
NUMBER OF SEQ ID NOS: 11088
SEQ ID NO 6734
LENGTH: 385
TYPE: PRT
ORGANISM: Arabidopsis thaliana
FEATURE:
OTHER INFORMATION: Clone ID: ARATH-23APR03-C601_1.p
US-10-739-930-6734

Query Match
Best Local Similarity 93.4%; Score 71; DB 5; Length 385;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 RYDVALNVLMMAMNTIS 16
|||||
Db 157 RYDVALNVLMMAMDIIS 172

RESULT 24
US-11-097-143-9348
Sequence 9348, Application US/11097143
Publication No. US20050208558A1
GENERAL INFORMATION:
APPLICANT: Venter, J. Craig
APPLICANT: et al.
TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
FILE REFERENCE: CL000728
CURRENT APPLICATION NUMBER: US/11/097,143
CURRENT FILING DATE: 2005-04-04
PRIORITY APPLICATION NUMBER: 60/157,832
PRIORITY FILING DATE: 1999-10-05
PRIORITY APPLICATION NUMBER: 60/160,191
PRIORITY FILING DATE: 1999-10-19
PRIORITY APPLICATION NUMBER: 60/161,932
PRIORITY FILING DATE: 1999-10-28
PRIORITY APPLICATION NUMBER: 60/164,769
PRIORITY FILING DATE: 1999-11-12
PRIORITY APPLICATION NUMBER: 60/173,363
PRIORITY FILING DATE: 1999-12-28
PRIORITY APPLICATION NUMBER: 60/175,693
PRIORITY FILING DATE: 2000-01-12

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/ PRIOR APPLICATION NUMBER: 60/184,831
/ PRIOR FILING DATE: 2000-02-24
/ PRIOR APPLICATION NUMBER: 60/191,637
/ PRIOR FILING DATE: 2000-03-23
/ NUMBER OF SEQ ID NOS: 43008
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 9348
/ LENGTH: 445
/ TYPE: PR
/ ORGANISM: DROSOPHILA
US-11-097-143-9348

Query Match          93.4%; Score 71; DB 6; Length 445;
Best Local Similarity 87.5%; Pred. No. 0.00049;
Matches 14; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 RYDALNVLMAMNITIS 16
Db      218 RYDALNVLMAMINVIS 233

RESULT 25
US-10-437-963-167076
/ Sequence 167076, Application US/10437963
/ Publication No. US20040123343A1
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa, Thomas J.
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
/ APPLICANT: Wu, Wei
/ APPLICANT: Boukharov, Audrey A.
/ APPLICANT: Barbazuk, Brad
/ APPLICANT: Li, Ping
/ TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
/ TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
/ FILE REFERENCE: 38-21(53221)B
/ CURRENT APPLICATION NUMBER: US/10/437,963
/ CURRENT FILING DATE: 2003-05-14
/ NUMBER OF SEQ ID NOS: 204966
/ SEQ ID NO 167076
/ LENGTH: 263
/ TYPE: PR
/ ORGANISM: Oryza sativa
/ FEATURES:
/ OTHER INFORMATION: Clone ID: PAT_MRT4530_65721C.1.pep
US-10-437-963-167076

Query Match          92.1%; Score 70; DB 4; Length 263;
Best Local Similarity 93.8%; Pred. No. 0.0004;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 RYDALNVLMAMNITIS 16
Db      157 RYDALNVLMAMEIIS 172

RESULT 26
US-10-425-114-46555
/ Sequence 46555, Application US/10425114
/ Publication No. US20040034888A1
/ GENERAL INFORMATION:
/ APPLICANT: Liu, Jingdong
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Screen, Steven E.
/ APPLICANT: Tabaska, Jack E.
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
/ TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
/ FILE REFERENCE: 38-21(53313)B
/ CURRENT APPLICATION NUMBER: US/10/425,114
/ CURRENT FILING DATE: 2003-04-28
```

```
/ NUMBER OF SEQ ID NOS: 73128
/ SEQ ID NO 46555
/ LENGTH: 336
/ TYPE: PR
/ ORGANISM: Zea mays
/ FEATURES:
/ OTHER INFORMATION: Clone ID: 700347688_FLI.pep
US-10-425-114-46555

Query Match          92.1%; Score 70; DB 4; Length 336;
Best Local Similarity 93.8%; Pred. No. 0.00054;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 RYDALNVLMAMNITIS 16
Db      141 RYDALNVLMAMEIIS 156

RESULT 27
US-10-425-115-186696
/ Sequence 186696, Application US/10425115
/ Publication No. US20040214272A1
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa, Thomas J.
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
/ TITLE OF INVENTION: Plants
/ FILE REFERENCE: 38-21(53222)B
/ CURRENT APPLICATION NUMBER: US/10/425,115
/ CURRENT FILING DATE: 2003-04-28
/ NUMBER OF SEQ ID NOS: 369326
/ SEQ ID NO 186696
/ LENGTH: 341
/ TYPE: PR
/ ORGANISM: Zea mays
/ FEATURES:
/ OTHER INFORMATION: Clone ID: MRT4577_101857C.1.pep
US-10-425-115-186696

Query Match          92.1%; Score 70; DB 4; Length 341;
Best Local Similarity 93.8%; Pred. No. 0.00054;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 RYDALNVLMAMNITIS 16
Db      146 RYDALNVLMAMEIIS 161

RESULT 28
US-09-220-091-7
/ Sequence 7, Application US/09220091
/ Patent No. US20020064523A1
/ GENERAL INFORMATION:
/ APPLICANT: H. Robert Horvitz
/ APPLICANT: Craig Ceol
/ APPLICANT: Xiaowei Lu
/ TITLE OF INVENTION: A TUMOR SUPPRESSOR PATHWAY IN C. ELEGANS
/ FILE REFERENCE: 01997/202003
/ CURRENT APPLICATION NUMBER: US/09/220,091
/ CURRENT FILING DATE: 1998-12-23
/ EARLIER APPLICATION NUMBER: 60/047,996
/ EARLIER FILING DATE: 1997-05-28
/ EARLIER APPLICATION NUMBER: 09/087,136
/ EARLIER FILING DATE: 1998-05-28
/ NUMBER OF SEQ ID NOS: 19
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 7
/ LENGTH: 575
/ TYPE: PR
/ ORGANISM: Caenorhabditis elegans
US-09-220-091-7
```

Query Match 92.1%; Score 70; DB 3; Length 575;  
Best Local Similarity 87.5%; Pred. No. 0.001;  
Matches 14; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDALNVLMMNITIS 16  
Db 104 RYDALNVLMMNITIT 119

## RESULT 29

US-09-900-147-15  
; Sequence 15, Application US/09900147  
; Patent No. US20020103121A1  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/900,147  
; PRIOR FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 15  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-900-147-15

Query Match 89.5%; Score 68; DB 3; Length 19;  
Best Local Similarity 87.5%; Pred. No. 4.3e-05;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 RYDALNVLMMNITIS 16  
Db 3 RYDALNVLMMNITIS 18

## RESULT 30

US-09-900-147-16  
; Sequence 16, Application US/09900147  
; Patent No. US20020103121A1  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/900,147  
; PRIOR FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 16  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-900-147-16

Query Match 89.5%; Score 68; DB 3; Length 19;  
Best Local Similarity 93.8%; Pred. No. 4.3e-05;  
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 RYDALNVLMMNITIS 16  
Db 3 RYDALNVLMMNITIS 18

RESULT 31  
US-09-900-147-6  
; Sequence 6, Application US/09900147  
; Patent No. US20020103121A1  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/900,147  
; PRIOR FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 6  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-900-147-6

Query Match 88.2%; Score 67; DB 3; Length 30;  
Best Local Similarity 100.0%; Pred. No. 0.00011;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 YDALNVLMMNITIS 16  
Db 1 YDALNVLMMNITIS 14

RESULT 32  
US-10-752-505-26  
; Sequence 26, Application US/10752505  
; Publication No. US20050137138A1  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamasaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tami  
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/10/752,505  
; PRIOR FILING DATE: 2004-01-08  
; PRIOR APPLICATION NUMBER: US/09/269,576  
; PRIOR FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 26  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
; NAME/KEY: Modified-site  
; LOCATION: 1-10 and 26-29  
; OTHER INFORMATION: any one or all of amino acids 1-10 and 26-29 may be present or abs  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1

OTHER INFORMATION: Xaa at position 1 represents Asn, Thr, Ala or Tyr  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 2  
OTHER INFORMATION: Xaa at position 2 represents Glu or Asp  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 3  
OTHER INFORMATION: Xaa at position 3 represents Ser or Asn  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 5  
OTHER INFORMATION: Xaa at position 5 represents Ala or Asn  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 6  
OTHER INFORMATION: Xaa at position 6 represents Tyr or Cys  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 9  
OTHER INFORMATION: Xaa at position 9 represents Lys or Glu  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 25  
OTHER INFORMATION: Xaa at position 25 represents Met or Ile  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 27  
OTHER INFORMATION: Xaa at position 27 represents Ile or Val  
US-10-752-505-26

Query Match 85.5%; Score 65; DB 5; Length 29;  
Best Local Similarity 87.5%; Pred. No. 0.00024;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 RYVDALNVLMAMNIIS 16  
Db 14 RYVDALNVLMAMNIIS 29

RESULT 33  
US-09-900-147-11  
Sequence 11, Application US/09900147  
Patent No. US20020103121A1  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
APPLICANT: Bandara, Lasantha R  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/900.147  
CURRENT FILING DATE: 2001-07-09  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 11  
LENGTH: 14  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-900-147-11

Query Match 84.2%; Score 64; DB 3; Length 14;  
Best Local Similarity 100.0%; Pred. No. 0.00015;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYVDALNVLMAMNI 13  
Db 2 RYVDALNVLMAMNI 14

RESULT 34  
US-09-900-147-17  
Sequence 17, Application US/09900147  
Patent No. US20020103121A1  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
APPLICANT: Bandara, Lasantha R  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/900.147  
CURRENT FILING DATE: 2001-07-09  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 17  
LENGTH: 19  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-900-147-17

Query Match 84.2%; Score 64; DB 3; Length 19;  
Best Local Similarity 87.5%; Pred. No. 0.00022;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 RYVDALNVLMAMNIIS 16  
Db 3 RYVDALNVLMAMNIIS 18

RESULT 35  
US-10-489-500-4  
Sequence 4, Application US/10489500  
Publication No. US20050059154A1  
GENERAL INFORMATION:  
APPLICANT: Tom Beeckman  
APPLICANT: Lieven De Veylder  
APPLICANT: Dirk Inze  
APPLICANT: Vladimir Mironov  
APPLICANT: Willem Broekere  
APPLICANT: Willy Dillen  
APPLICANT: Valerie Frankard  
TITLE OF INVENTION: A METHOD TO MODIFY CELL NUMBER, ARCHITECTURE AND YIELD OF PLANTS  
FILE REFERENCE: 1187-34  
CURRENT APPLICATION NUMBER: US/10/489,500  
CURRENT FILING DATE: 2004-03-12  
PRIOR APPLICATION NUMBER: EP 01870198.7  
PRIOR FILING DATE: 2001-09-14  
PRIOR APPLICATION NUMBER: PCT/EP02/10236  
PRIOR FILING DATE: 2002-09-12  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 4  
LENGTH: 292  
TYPE: PRT  
ORGANISM: Arabidopsis thaliana  
US-10-489-500-4

Query Match 80.3%; Score 61; DB 5; Length 292;  
Best Local Similarity 75.0%; Pred. No. 0.018;  
Matches 12; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RYVDALNVLMAMNIIS 16  
Db 108 RYVDALNVLMAMNIIS 123



## RESULT 36

US-10-752-505-23  
; Sequence 23, Application US/10752505  
; Publication No. US20050137138A1  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yammasaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tami  
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/10/752,505  
; CURRENT FILING DATE: 2004-01-08  
; PRIOR APPLICATION NUMBER: US/09/269,576  
; PRIOR FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 23  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-752-505-23

Query Match 76.3%; Score 58; DB 5; Length 15;  
Best Local Similarity 100.0%; Pred. No. 0.0019;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 RYDALNVTLMAM 12  
|||  
Db 4 RYDALNVTLMAM 15

## RESULT 37

US-10-425-115-188778  
; Sequence 188778, Application US/10425115  
; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yinhua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 188778  
; LENGTH: 250  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (1)..(250)  
; OTHER INFORMATION: unsure at all Xaa locations  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_103754C.1.pep  
US-10-425-115-188778

Query Match 72.4%; Score 55; DB 4; Length 250;  
Best Local Similarity 62.5%; Pred. No. 0.17;  
Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Cy 1 RYDALNVTLMAMNIS 16  
|||  
Db 111 RYDALNVTLMAMNIS 126

## RESULT 38

US-10-437-963-136371  
; Sequence 136371, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yinhua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbaux, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 136371  
; LENGTH: 369  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_37957C.1.pep  
US-10-437-963-136371

Query Match 71.1%; Score 54; DB 4; Length 369;  
Best Local Similarity 62.5%; Pred. No. 0.41;  
Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Cy 1 RYDALNVTLMAMNIS 16  
|||  
Db 223 RYDALNVTLMAMNIS 238

## RESULT 39

US-10-752-505-4  
; Sequence 4, Application US/10752505  
; Publication No. US20050137138A1  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yammasaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tami  
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/10/752,505  
; CURRENT FILING DATE: 2004-01-08  
; PRIOR APPLICATION NUMBER: US/09/269,576  
; PRIOR FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 4  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-isoleucine  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 15  
; OTHER INFORMATION: Xaa at position 15 representing L-methioninamide  
US-10-752-505-4

Query Match	69.7%	Score 53	DB 5	Length 15
Best Local Similarity	100.0%	Pred. NO. 0.015		
Matches 11; Conservative	0	Mismatches	0	Indels 0; Gaps 0;

Qy	1	RVYDALNVLMA	11
Db	4	RVYDALNVLMA	14

RESULT 40

```

US-10-450-763-35867
  Sequence 35867, Application US/10450763
  Publication No. US20050196754A1
  GENERAL INFORMATION:
    APPLICANT: Hyseq, Inc
    FILE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
    TITLE REFERENCE: 790CIP3/US
    CURRENT APPLICATION NUMBER: US/10/450,763
    CURRENT FILING DATE: 2003-06-11
    PRIOR APPLICATION NUMBER: PCT/US01/08631
    PRIOR FILING DATE: 2001-03-30
    PRIOR APPLICATION NUMBER: 09/540,217
    PRIOR FILING DATE: 2000-03-31
    PRIOR APPLICATION NUMBER: 09/649,167
    PRIOR FILING DATE: 2000-08-23
    NUMBER OF SEQ ID NOS: 60736
    SOFTWARE: Custom
    SEQ ID NO 35867
    LENGTH: 185
    TYPE: PR1
    ORGANISM: Homo sapiens
  US-10-450-763-35867

```

Query Match	68.4%	Score 52;	DB 5;	Length 105;
Best Local Similarity	75.0%	Pred. No. 0.41;		
Matches 12;	Conservative 2;	Mismatches 2;	Indels 0;	Gaps 0;

```
Qy      1 RYVDALNTLMAMNITIS 16
         |||||:|
Db      154 RVCDAINTLRVAVSITIS 169
```

```

RESULT 41
US-10-732-923-3274
; Sequence 3274, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15 (52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ. ID NOS: 24149
; SEQ. ID NO 3274
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; US-10-732-923-3274

```

Query Match	63.2%	Score 48;	DB 5;	Length 323;
Best Local Similarity	60.0%	Pred. No. 4.1;		
Matches	9;	Conservative	3;	Mismatches 3;
				Indels 0;
				Gaps 0;

```
QY      1 RYVDALNVLMAANNI 15
        |::| |::|
Db      163 RLYDIANVLSSMNI 177
```

RESULT 42  
US-10-310-154-448

```

1  Sequence 448, Application US/10310154
2  Publication No. US20030233670A1
3  GENERAL INFORMATION:
4  APPLICANT: Edgerton, Michael D
5  APPLICANT: Chomet, Paul S.
6  APPLICANT: Adams, Thomas H
7  APPLICANT: Ruff, Thomas G.
8  APPLICANT: Agarwal, Ameeta K.
9  APPLICANT: Ahrens, Jeffrey E.
10 APPLICANT: Ball, James A.
11 APPLICANT: Banu, G.
12 APPLICANT: Bell, Erin
13 APPLICANT: Boddupalli, Raghava
14 APPLICANT: Deikman, Jill
15 APPLICANT: Deng, Molian
16 APPLICANT: Dong, Jinhua
17 APPLICANT: Duff, Stephen M.
18 APPLICANT: Galligan, Meghan M.
19 APPLICANT: Hinchey, Brenda S.
20 APPLICANT: Huang, Shihieh
21 APPLICANT: Johnson, G. Richard
22 APPLICANT: Jung, Vincent
23 APPLICANT: Kretzmer, Keith A
24 APPLICANT: Laccetti, Lucille B.
25 APPLICANT: Lai, Chao-Qiang
26 APPLICANT: Lee, Gary
27 APPLICANT: Lin, Jie-Yi
28 APPLICANT: Liu, Jingdong
29 APPLICANT: Lu, Bin
30 APPLICANT: Luethy, Michael M.
31 APPLICANT: Lund, Adrian
32 APPLICANT: Madison, Linda L.
33 APPLICANT: Malloy, Kathleen A.
34 APPLICANT: McKiel, Christine U.
35 APPLICANT: Miller, Philip W.
36 APPLICANT: Padmavathi, Manchikanti
37 APPLICANT: Parnell, Laurence D.
38 APPLICANT: Start, William G.
39 APPLICANT: Tennesen, Dan
40 APPLICANT: Vidya, K.R.
41 APPLICANT: Wang, Haiyun
42 APPLICANT: Xin, Zhanguo
43 APPLICANT: Xu, Nanfei
44 APPLICANT: Yang, Chunzhi
45 APPLICANT: Zeng, Xiaoping
46 APPLICANT: Zhang, Qiang
47 APPLICANT: Zhao, YaJuan
48 APPLICANT: Zhou, Li
49 TITLE OF INVENTION: Gene Sequences and Uses Thereof in Plants
50 FILE REFERENCE: 38-15(52796)B
51 CURRENT APPLICATION NUMBER: US/10/310,154
52 PRIOR FILING DATE: 2002-12-04
53 PRIOR APPLICATION NUMBER: 60/337,358
54 NUMBER OF SEQ ID NOS: 736
55 SEQ ID NO 448
56 LENGTH: 346
57 TYPE: PRT
58 ORGANISM: Glycine max
59 JS-10-310-154-448

```

Query Match	63.2%	Score 48	DB 4	Length 346
Similarity	60.0%	Pred. No. 4	4	
Best Local	9	Conservative	3	Mismatches 0
Matches				Indels 0
				Gaps 0

```
QY      1 RYVDALNVLAMANNII 15
        |:|||:||:|
Db      193 RLYDIANVLSSMNLII 207
```

RESULT 43  
US-10-732-923-3273  
; Sequence 3273, Application US/107329223

```
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 3273
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-732-923-3273

Query Match      63.2% Score 48; DB 5; Length 379;
Best Local Similarity 60.0%; Pred. No. 4.9;
Matches 9; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      1 RYDALNVLMAMNII 15
Db      219 RLYDIANVLSSMNI 233

RESULT 44
US-10-425-114-40179
; Sequence 40179, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 40179
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: 701055086_FLI.pep
US-10-425-114-40179

Query Match      63.2% Score 48; DB 4; Length 381;
Best Local Similarity 60.0%; Pred. No. 4.9;
Matches 9; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      1 RYDALNVLMAMNII 15
Db      208 RLYDIANVLSSMNI 222

RESULT 45
US-10-732-923-534
; Sequence 534, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 534
```

```
; LENGTH: 402
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(402)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-732-923-534

Query Match      63.2% Score 48; DB 5; Length 402;
Best Local Similarity 60.0%; Pred. No. 5.2;
Matches 9; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      1 RYDALNVLMAMNII 15
Db      219 RLYDIANVLSSMNI 233

RESULT 46
US-10-732-923-3272
; Sequence 3272, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 3272
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-732-923-3272

Query Match      63.2% Score 48; DB 5; Length 403;
Best Local Similarity 60.0%; Pred. No. 5.2;
Matches 9; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      1 RYDALNVLMAMNII 15
Db      219 RLYDIANVLSSMNI 233

RESULT 47
US-10-437-963-116711
; Sequence 116711, Application US/10437963
; Publication No. US2004012343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53121)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 116711
; LENGTH: 261
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(261)
; OTHER INFORMATION: unsure at all Xaa locations
```

FEATURE:  
OTHER INFORMATION: Clome ID: PAT\_MRT4530\_20186C.1 pep  
US-10-437-963-116711

Query Match 61.8%; Score 47; DB 4; Length 261;  
Best Local Similarity 60.0%; Pred. No. 4.8;  
Matches 9; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

Qy 1 RYVDALVLMAMNII 15  
Db 212 RLYDIANVLXSMNLI 226

RESULT 48  
US-10-732-923-3279  
Sequence 3279, Application US/10732923  
Publication No. US20050108791A1  
GENERAL INFORMATION:  
APPLICANT: Edgerton, Michael D  
TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES  
FILE REFERENCE: 38-15(52796)C  
CURRENT APPLICATION NUMBER: US/10/732,923  
CURRENT FILING DATE: 2003-12-10  
PRIOR APPLICATION NUMBER: 10/310,154  
PRIOR FILING DATE: 2002-12-04  
NUMBER OF SEQ ID NOS: 24149  
SEQ ID NO 3279  
LENGTH: 261  
TYPE: PRT  
ORGANISM: Oryza sativa  
FEATURE:  
NAME/KEY: unsure  
LOCATION: (1)..(261)  
OTHER INFORMATION: unsure at all Xaa locations  
US-10-732-923-3279

Query Match 61.8%; Score 47; DB 5; Length 261;  
Best Local Similarity 60.0%; Pred. No. 4.8;  
Matches 9; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

Qy 1 RYVDALVLMAMNII 15  
Db 212 RLYDIANVLXSMNLI 226

RESULT 49  
US-09-900-147-4  
Sequence 4, Application US/09900147  
Patent No. US20020103121A1  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
APPLICANT: Bandaru, Lasantha R  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/900,147  
CURRENT FILING DATE: 2001-07-09  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 4  
LENGTH: 20  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-900-147-4

Query Match 60.5%; Score 46; DB 3; Length 20;  
Best Local Similarity 100.0%; Pred. No. 0.36;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 NVLMAMNIIIS 16  
Db 1 NVLMAMNIIIS 10

RESULT 50  
US-09-864-761-45697  
Sequence 45697, Application US/09864761  
Patent No. US20020048763A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharon G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
APPLICANT: Chen, Wensheng  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
FILE REFERENCE: Acomica-X-1  
CURRENT APPLICATION NUMBER: US/09/864,761  
CURRENT FILING DATE: 2001-05-23  
PRIOR APPLICATION NUMBER: US 60/180,312  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: US 60/207,456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 09/632,366  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: GB 24263.6  
PRIOR FILING DATE: 2000-10-04  
PRIOR APPLICATION NUMBER: US 60/236,359  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: PCT/US01/00666  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00667  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00664  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00669  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00665  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00668  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00663  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00662  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00661  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00670  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: US 60/234,687  
PRIOR FILING DATE: 2000-09-21  
PRIOR APPLICATION NUMBER: US 09/608,408  
PRIOR FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: US 09/774,203  
PRIOR FILING DATE: 2001-01-29  
NUMBER OF SEQ ID NOS: 49117  
SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
SEQ ID NO 45697  
LENGTH: 96  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: MAP TO AC021804.3  
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.89  
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.99  
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.9  
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.92  
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.88  
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.75  
OTHER INFORMATION: EST HUMAN HIT: BB880658.1, EVALUATE 2.00e-51  
OTHER INFORMATION: SWISSPROT HIT: Q61501, EVALUATE 5.00e-06  
US-09-864-761-45697

Query Match	60.5%	Score 46	DB 3	Length 96
Best Local Similarity	43.8%	Pred. No. 2		
Matches	7	Conservative	7	Mismatches 2
				Indels 0
				Gaps 0
Qy	1	RVDALVTMMNTIS	16	
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Db	5	RIVIVNVLSLIVS	20	

Search completed: March 17, 2006, 21:19:05  
Job time : 115 secs

**This Page Blank (uspto)**

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OM protein - protein search, using CW model

Run on: March 17, 2006, 20:47:42 ; Search time 8.04598 Seconds  
(without alignments)  
71.148 Million cell updates/sec

Title: US-09-900-147-4

Perfect score: 101  
Sequence: 1 NVLMMNTISKEKKEIKWIG 20

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 169630 seqs, 28622889 residues

Total number of hits satisfying chosen parameters: 169630

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_AA\_New:\*  
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2: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*  
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7: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pep.\*  
8: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	82	81.2	318	7	US-11-060-029-21
2	82	81.2	344	7	US-11-060-029-15
3	82	81.2	346	7	US-11-060-029-19
4	82	81.2	385	7	US-11-060-029-2
5	82	81.2	386	7	US-11-060-029-13
6	82	81.2	413	7	US-11-060-029-4
7	81	80.2	379	7	US-11-060-029-17
8	79	78.2	353	7	US-11-060-029-23
9	50	49.5	384	7	US-11-096-568A-2816
10	50	49.5	384	7	US-11-096-568A-2817
11	50	49.5	385	7	US-11-096-568A-2815
12	45.5	45.0	281	6	US-10-967-648A-12
13	44.5	44.1	85	6	US-10-863-093-5
14	44.5	44.1	121	6	US-10-967-648A-16
15	44.5	44.1	437	6	US-11-096-568A-2
16	44	43.6	207	7	US-11-096-568A-20252
17	44	43.6	278	7	US-11-096-568A-20251
18	44	43.6	287	7	US-11-096-568A-20250
19	44	43.6	425	7	US-11-096-568A-18168
20	44	43.6	444	7	US-11-096-568A-18167
21	44	43.6	515	7	US-11-096-568A-18166
22	43.5	43.1	437	6	US-10-967-648A-4
23	43	42.6	324	6	US-10-995-561-765
24	43	42.6	324	7	US-11-124-367A-426
25	43	42.6	556	6	US-10-995-561-766

26	43	42.6	556	6	US-10-995-561-767	Sequence 767, App
27	43	42.6	556	7	US-11-124-367A-427	Sequence 427, App
28	43	42.6	556	7	US-11-124-367A-428	Sequence 428, App
29	42.5	42.1	392	7	US-11-087-099-12003	Sequence 12003, A
30	42.5	42.1	394	7	US-11-087-099-11887	Sequence 11887, A
31	42.5	42.1	465	6	US-10-967-648A-6	Sequence 6, Appli
32	42	41.6	179	7	US-11-096-568A-28805	Sequence 28805, A
33	42	41.6	212	7	US-11-096-568A-28804	Sequence 28804, A
34	42	41.6	230	7	US-11-096-568A-28803	Sequence 28803, A
35	42	41.6	347	7	US-11-096-568A-10743	Sequence 10743, A
36	41.5	41.1	446	7	US-11-087-099-7122	Sequence 7122, Ap
37	41	40.6	81	7	US-11-096-568A-5469	Sequence 5469, Ap
38	41	40.6	89	7	US-11-096-568A-5467	Sequence 5467, Ap
39	41	40.6	364	7	US-11-096-568A-11193	Sequence 11193, A
40	41	40.6	575	7	US-11-072-512-3622	Sequence 3622, Ap
41	40	39.6	384	7	US-11-108-185-2	Sequence 2, Appli
42	40	39.6	384	7	US-11-108-185-4	Sequence 4, Appli
43	40	39.6	384	7	US-11-108-185-6	Sequence 6, Appli
44	40	39.6	384	7	US-11-108-185-8	Sequence 8, Appli
45	40	39.6	384	7	US-11-108-185-10	Sequence 10, Appli

## ALIGNMENTS

```

RESULT 1
US-11-060-029-21
; Sequence 21, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 21
; LENGTH: 318
; TYPE: PRT
; ORGANISM: Oryza sativa
US-11-060-029-21

Query Match      81.2%; Score 82; DB 7; Length 318;
Best Local Similarity 80.0%; Pred. No. 2e-05;
Matches 16; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy      1 NVLMMNTISKEKKEIKWIG 20
Db      161 NVLMMNTISKEKKEIKWIG 180

RESULT 2
US-11-060-029-15
; Sequence 15, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 15
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Oryza sativa
; NAME/KEY: misc_feature
; LOCATION: (193)..(193)

```

OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
US-11-060-029-15

Query Match 81.2%; Score 82; DB 7; Length 344;  
Best Local Similarity 80.0%; Pred. No. 2.2e-05;  
Matches 16; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANNISKEKEIKWIG 20  
DB 159 NVLMAMDIISKDKKEIQWKG 178

## RESULT 3

US-11-060-029-19  
Sequence 19, Application US/11060029  
Publication No. US20050268358A1  
GENERAL INFORMATION:  
APPLICANT: CropDesign N.V.  
TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
FILE REFERENCE: CD-113-prio  
CURRENT APPLICATION NUMBER: US/11/060,029  
CURRENT FILING DATE: 2005-02-17  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 19  
LENGTH: 346  
TYPE: PRT  
ORGANISM: Oryza sativa  
US-11-060-029-19

Query Match 81.2%; Score 82; DB 7; Length 346;  
Best Local Similarity 80.0%; Pred. No. 2.2e-05;  
Matches 16; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANNISKEKEIKWIG 20  
DB 161 NVLMAMDIISKDKKEIQWKG 180

## RESULT 4

US-11-060-029-2  
Sequence 2, Application US/11060029  
Publication No. US20050268358A1  
GENERAL INFORMATION:  
APPLICANT: CropDesign N.V.  
TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
FILE REFERENCE: CD-113-prio  
CURRENT APPLICATION NUMBER: US/11/060,029  
CURRENT FILING DATE: 2005-02-17  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 2  
LENGTH: 385  
TYPE: PRT  
ORGANISM: Arabidopsis thaliana  
US-11-060-029-2

Query Match 81.2%; Score 82; DB 7; Length 385;  
Best Local Similarity 80.0%; Pred. No. 2.5e-05;  
Matches 16; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANNISKEKEIKWIG 20  
DB 163 NVLMAMDIISKDKKEIQWKG 182

## RESULT 5

US-11-060-029-13  
Sequence 13, Application US/11060029  
Publication No. US20050268358A1  
GENERAL INFORMATION:

APPLICANT: CropDesign N.V.  
TITLE OF INVENTION: Plants having improved growth characteristics and a method for

FILE REFERENCE: CD-113-prio  
CURRENT APPLICATION NUMBER: US/11/060,029  
CURRENT FILING DATE: 2005-02-17  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 13  
LENGTH: 386  
TYPE: PRT  
ORGANISM: Zea mays  
NAME/KEY: misc feature  
LOCATION: (40)-(40)  
OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (102)-(102)  
OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
US-11-060-029-13

Query Match 81.2%; Score 82; DB 7; Length 386;  
Best Local Similarity 80.0%; Pred. No. 2.5e-05;  
Matches 16; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANNISKEKEIKWIG 20  
DB 196 NVLMAMDIISKDKKEIQWKG 215

## RESULT 6

US-11-060-029-4  
Sequence 4, Application US/11060029  
Publication No. US20050268358A1  
GENERAL INFORMATION:  
APPLICANT: CropDesign N.V.  
TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
FILE REFERENCE: CD-113-prio  
CURRENT APPLICATION NUMBER: US/11/060,029  
CURRENT FILING DATE: 2005-02-17  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 4  
LENGTH: 413  
TYPE: PRT  
ORGANISM: Arabidopsis thaliana  
US-11-060-029-4

Query Match 81.2%; Score 82; DB 7; Length 413;  
Best Local Similarity 80.0%; Pred. No. 2.7e-05;  
Matches 16; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANNISKEKEIKWIG 20  
DB 180 NVLMAMDIISKDKKEIQWKG 199

## RESULT 7

US-11-060-029-17  
Sequence 17, Application US/11060029  
Publication No. US20050268358A1  
GENERAL INFORMATION:  
APPLICANT: CropDesign N.V.  
TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
FILE REFERENCE: CD-113-prio  
CURRENT APPLICATION NUMBER: US/11/060,029  
CURRENT FILING DATE: 2005-02-17  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 17



LENGTH: 379  
TYPE: PRT  
ORGANISM: Oryza sativa  
US-11-060-029-17

Query Match 80.2%; Score 81; DB 7; Length 379;  
Best Local Similarity 80.0%; Pred. No. 3.5e-05;  
Matches 16; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 NVLMAMNIIKKEKEIKWIG 20  
DB 169 NVLMAMEIISKDKKEIQWKG 208

RESULT 8  
US-11-060-029-23  
Sequence 23, Application US/11060029  
Publication No. US20050268358A1  
GENERAL INFORMATION:  
APPLICANT: Cropdesign N.V.  
TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
FILE REFERENCE: CD-113-prio  
CURRENT APPLICATION NUMBER: US/11/060,029  
CURRENT FILING DATE: 2005-02-17  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 23  
LENGTH: 353  
TYPE: PRT  
ORGANISM: Populus tremula x Populus tremuloides  
US-11-060-029-23

Query Match 78.2%; Score 79; DB 7; Length 353;  
Best Local Similarity 75.0%; Pred. No. 6.6e-05;  
Matches 15; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMAMNIIKKEKEIKWIG 20  
DB 163 NVLMALDIISKDKKEIQWKG 182

RESULT 9  
US-11-096-568A-2816  
Sequence 2816, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nickolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 2816  
LENGTH: 384  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: misc.feature  
LOCATION: (1)-(384)  
OTHER INFORMATION: Ceres Seq. ID no. 12610325  
US-11-096-568A-2816

Query Match 49.5%; Score 50; DB 7; Length 384;  
Best Local Similarity 42.3%; Pred. No. 2.3;  
Matches 11; Conservative 3; Mismatches 6; Indels 6; Gaps 1;

QY 1 NVLMAMNIIK-----EKKEIKWIG 20  
DB 213 NVLSSMNLIEKTHLDSRRPAPKWLIG 238

RESULT 10  
US-11-096-568A-2817  
Sequence 2817, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nickolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 2817  
LENGTH: 384  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: misc.feature  
LOCATION: (1)-(384)  
OTHER INFORMATION: Ceres Seq. ID no. 16625362  
US-11-096-568A-2817

Query Match 49.5%; Score 50; DB 7; Length 384;  
Best Local Similarity 42.3%; Pred. No. 2.3;  
Matches 11; Conservative 3; Mismatches 6; Indels 6; Gaps 1;

QY 1 NVLMAMNIIK-----EKKEIKWIG 20  
DB 213 NVLSSMNLIEKTHLDSRRPAPKWLIG 238

RESULT 11  
US-11-096-568A-2815  
Sequence 2815, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nickolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 2815  
LENGTH: 385  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: misc.feature  
LOCATION: (1)-(385)  
OTHER INFORMATION: Ceres Seq. ID no. 12610324  
US-11-096-568A-2815

Query Match 49.5%; Score 50; DB 7; Length 385;  
Best Local Similarity 42.3%; Pred. No. 2.3;  
Matches 11; Conservative 3; Mismatches 6; Indels 6; Gaps 1;

QY 1 NVLMAMNIIK-----EKKEIKWIG 20  
DB 214 NVLSSMNLIEKTHLDSRRPAPKWLIG 239

RESULT 12  
US-10-967-648A-12  
Sequence 12, Application US/10967648A  
Publication No. US20050245473A1  
GENERAL INFORMATION:  
APPLICANT: Saunders, Nicholas A  
TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses  
FILE REFERENCE: 12493972  
CURRENT APPLICATION NUMBER: US/10/967,648A  
CURRENT FILING DATE: 2004-10-15

;; PRIOR APPLICATION NUMBER: USSN 60/512010  
;; PRIOR FILING DATE: 2003-10-16  
;; NUMBER OF SEQ ID NOS: 16  
;; SOFTWARE: PatentIn version 3.3  
;; SEQ ID NO 12  
;; LENGTH: 281  
;; TYPE: PRT  
;; ORGANISM: Human  
US-10-967-648A-12

Query Match 45.0%; Score 45.5; DB 6; Length 281;  
Best Local Similarity 42.9%; Pred. No. 8.3;  
Matches 9; Conservative 6; Mismatches 5; Indels 1; Gaps 1;

QY 1 NVTMAMNITSKE-KKEIKWIG 20  
Db 108 NVLEGIQLIAXKSKNHQWLG 128

RESULT 13  
US-10-863-093-5  
; Sequence 5, Application US/10863093  
; Publication No. US20050269081A1  
; GENERAL INFORMATION:  
; APPLICANT: Andrews, William H.  
; APPLICANT: Foster, Christopher A.  
; APPLICANT: Frazer, Stephanie  
; APPLICANT: Mohammadpour, Hamid  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR MODULATING  
; TITLE OF INVENTION: TELOMERASE REVERSE TRANSCRIPTASE (TERT) EXPRESSION  
; FILE REFERENCE: SIER-005  
; CURRENT APPLICATION NUMBER: US/10/863,093  
; CURRENT FILING DATE: 2004-06-08  
; PRIOR APPLICATION NUMBER: US/09/932,581  
; PRIOR FILING DATE: 2001-08-17  
; PRIOR APPLICATION NUMBER: 60/227,865  
; PRIOR FILING DATE: 2000-08-24  
; PRIOR APPLICATION NUMBER: 60/230,174  
; PRIOR FILING DATE: 2000-09-01  
; PRIOR APPLICATION NUMBER: 60/238,345  
; PRIOR FILING DATE: 2000-10-05  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 5  
; LENGTH: 85  
; TYPE: PRT  
; ORGANISM: human  
US-10-863-093-5

Query Match 44.1%; Score 44.5; DB 6; Length 85;  
Best Local Similarity 42.9%; Pred. No. 3.3;  
Matches 9; Conservative 6; Mismatches 5; Indels 1; Gaps 1;

QY 1 NVTMAMNITSKE-KKEIKWIG 20  
Db 63 NVLEGIQLIAXKSKNHQWLG 83

RESULT 14  
US-10-967-648A-16  
; Sequence 16, Application US/10967648A  
; Publication No. US20050245473A1  
; GENERAL INFORMATION:  
; APPLICANT: Saunders, Nicholas A  
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses  
; TITLE OF INVENTION: therefor  
; FILE REFERENCE: 12493972  
; CURRENT APPLICATION NUMBER: US/10/967,648A  
; CURRENT FILING DATE: 2004-10-15  
; PRIOR APPLICATION NUMBER: USSN 60/512010  
; PRIOR FILING DATE: 2003-10-16  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: PatentIn version 3.3

;; SEQ ID NO 16  
;; LENGTH: 121  
;; TYPE: PRT  
;; ORGANISM: Human  
US-10-967-648A-16

Query Match 44.1%; Score 44.5; DB 6; Length 121;  
Best Local Similarity 42.9%; Pred. No. 4.8;  
Matches 9; Conservative 6; Mismatches 5; Indels 1; Gaps 1;

QY 1 NVTMAMNITSKE-KKEIKWIG 20  
Db 58 NVLEGIQLIAXKSKNHQWLG 78

RESULT 15  
US-10-967-648A-2  
; Sequence 2, Application US/10967648A  
; Publication No. US20050245473A1  
; GENERAL INFORMATION:  
; APPLICANT: Saunders, Nicholas A  
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses  
; TITLE OF INVENTION: therefor  
; FILE REFERENCE: 12493972  
; CURRENT APPLICATION NUMBER: US/10/967,648A  
; CURRENT FILING DATE: 2004-10-15  
; PRIOR APPLICATION NUMBER: USSN 60/512010  
; PRIOR FILING DATE: 2003-10-16  
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; LENGTH: 437  
; TYPE: PRT  
; ORGANISM: Human  
US-10-967-648A-2

Query Match 44.1%; Score 44.5; DB 6; Length 437;  
Best Local Similarity 42.9%; Pred. No. 19;  
Matches 9; Conservative 6; Mismatches 5; Indels 1; Gaps 1;

QY 1 NVTMAMNITSKE-KKEIKWIG 20  
Db 172 NVLEGIQLIAXKSKNHQWLG 192

Search completed: March 17, 2006, 20:52:51  
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OM protein - protein search, using SW model

Run on: March 17, 2006, 20:52:32 ; Search time 30.9091 Seconds  
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Title: US-09-900-147-5

Perfect score: 76  
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Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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5	76	100.0	28	2	US-09-269-576G-22
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7	76	100.0	37	2	US-09-308-935-1
8	76	100.0	72	1	US-08-428-131-11
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18	76	100.0	385	1	US-08-723-415B-8
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24	76	100.0	410	1	US-08-602-846-2
25	76	100.0	410	2	US-09-078-596-2
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55	39	51.3	74	2	US-08-894-139-5	Sequence 5, Appl
56	39	51.3	74	2	US-08-894-139-7	Sequence 7, Appl
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102	36	47.4	321	2	US-09-710-279-1526	Sequence 1526, Ap	175	34	44.7	277	2	US-09-079-723-226	Sequence 226, App
103	36	47.4	342	2	US-09-134-001C-4071	Sequence 4071, Ap	176	34	44.7	277	2	US-09-079-723-234	Sequence 234, App
104	36	47.4	447	2	US-09-248-796A-22277	Sequence 22277, A	177	34	44.7	279	2	US-09-079-723-215	Sequence 215, App
105	36	47.4	3666	1	US-08-222-617A-12	Sequence 12, Appl	178	34	44.7	282	2	US-08-910-820-3	Sequence 3, Appl1
106	36	47.4	3727	1	US-08-222-617A-27	Sequence 27, Appl	179	34	44.7	282	2	US-08-910-820-5	Sequence 5, Appl1
107	36	47.4	3778	1	US-08-222-617A-2	Sequence 2, Appl1	180	34	44.7	282	2	US-08-844-908-3	Sequence 3, Appl1
108	35	46.1	3778	1	US-09-134-001C-4216	Sequence 4216, Ap	181	34	44.7	282	2	US-09-844-908-5	Sequence 5, Appl1
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110	35	46.1	254	2	US-09-248-796A-18872	Sequence 18872, A	183	34	44.7	282	2	US-09-079-723-241	Sequence 241, App
111	35	46.1	295	2	US-09-540-236-3434	Sequence 3434, Ap	184	34	44.7	282	2	US-09-079-723-245	Sequence 245, App
112	35	46.1	317	2	US-09-902-540-16464	Sequence 16464, A	185	34	44.7	289	2	US-09-508-775-1	Sequence 1, Appl1
113	35	46.1	387	2	US-09-543-681A-5061	Sequence 5061, Ap	186	34	44.7	291	1	US-08-102-757-9	Sequence 9, Appl1
114	35	46.1	475	2	US-09-248-796A-17094	Sequence 17094, A	187	34	44.7	291	1	US-08-102-757-11	Sequence 11, Appl1
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116	35	46.1	524	2	US-09-198-452A-369	Sequence 369, App	189	34	44.7	307	1	US-09-115-746-6	Sequence 6, Appl1
117	35	46.1	524	2	US-09-438-185A-353	Sequence 353, App	190	34	44.7	308	2	US-10-223-978-6	Sequence 6, Appl1
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120	34.5	45.4	302	2	US-09-248-796A-18125	Sequence 18125, A	193	34	44.7	324	2	US-10-267-311-35	Sequence 25, Appl
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122	34	44.7	51	2	US-09-471-276-1231	Sequence 1231, Ap	195	34	44.7	341	2	US-09-501-612A-2	Sequence 2, Appl1
123	34	44.7	63	1	US-08-194-338-14	Sequence 14, Appl	196	34	44.7	341	2	US-10-338-491-2	Sequence 2, Appl1
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136	34	44.7	239	2	US-09-823-153-7	Sequence 7, Appl1	209	34	44.7	397	2	US-10-008-960-11	Sequence 11, Appl
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139	34	44.7	247	2	US-09-079-723-221	Sequence 221, App	212	34	44.7	412	2	US-08-809-156B-34	Sequence 34, Appl
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141	34	44.7	247	2	US-09-079-723-238	Sequence 238, App	214	34	44.7	422	2	US-09-217-228-7	Sequence 7, Appl1
142	34	44.7	248	2	US-09-079-723-218	Sequence 218, App	215	34	44.7	422	2	US-08-737-248-4	Sequence 4, Appl1
143	34	44.7	248	2	US-09-079-723-219	Sequence 219, App	216	34	44.7	426	2	US-08-506-296B-70	Sequence 70, Appl
144	34	44.7	248	2	US-09-079-723-220	Sequence 220, App	217	34	44.7	435	4	PCT-US95-04439-1	Sequence 76, Appl
145	34	44.7	248	2	US-09-079-723-230	Sequence 230, App	218	34	44.7	439	2	US-08-506-296B-67	Sequence 67, Appl
146	34	44.7	248	2	US-09-079-723-231	Sequence 231, App	219	34	44.7	442	2	US-08-506-296B-76	Sequence 76, Appl
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151	34	44.7	252	2	US-09-079-723-223	Sequence 223, App	224	34	44.7	472	1	US-08-216-894-10	Sequence 10, Appl
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153	34	44.7	257	2	US-09-079-723-229	Sequence 229, App	226	34	44.7	514	2	US-08-974-549A-605	Sequence 605, App
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155	34	44.7	257	2	US-09-079-723-242	Sequence 242, App	228	34	44.7	514	2	US-09-402-181B-605	Sequence 605, App
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254	34	44.7	579	1	US-09-122-384-11	Sequence 11, Appl	327	33	43.4	385	4	US-08-545-573A-2	Sequence 2, Appl
255	34	44.7	600	2	US-09-327-984A-6	Sequence 6, Appl	328	33	43.4	386	2	US-08-545-573A-39	Sequence 39, Appl
256	34	44.7	616	2	US-08-895-707-2	Sequence 2, Appl	329	33	43.4	409	2	US-09-613-303-55	Sequence 55, Appl
257	34	44.7	632	2	US-08-506-236B-74	Sequence 74, Appl	330	33	43.4	409	2	US-10-267-311-55	Sequence 55, Appl
258	34	44.7	635	1	US-08-506-236B-71	Sequence 71, Appl	331	33	43.4	419	2	US-08-640-906-2	Sequence 2, Appl
259	34	44.7	643	1	US-08-216-894-8	Sequence 8, Appl	332	33	43.4	419	2	US-08-640-906-17	Sequence 17, Appl
260	34	44.7	643	2	US-09-115-746-8	Sequence 8, Appl	333	33	43.4	419	2	US-09-335-936-2	Sequence 2, Appl
261	34	44.7	644	2	US-08-506-236B-65	Sequence 65, Appl	334	33	43.4	419	2	US-09-335-936-17	Sequence 17, Appl
262	34	44.7	647	1	US-08-305-764C-56	Sequence 56, Appl	335	33	43.4	459	2	US-09-248-796A-14438	Sequence 14438, A
263	34	44.7	665	2	US-08-506-236B-68	Sequence 68, Appl	336	33	43.4	465	2	US-09-538-092-877	Sequence 877, App
264	34	44.7	685	2	US-09-489-039A-12961	Sequence 12961, A	337	33	43.4	466	2	US-09-610-401-3	Sequence 3, Appl
265	34	44.7	692	2	US-09-352-159-19	Sequence 19, Appl	338	33	43.4	466	2	US-09-610-401-4	Sequence 4, Appl
266	34	44.7	692	2	US-09-352-168-19	Sequence 19, Appl	339	33	43.4	466	2	US-09-167-206-12	Sequence 12, Appl
267	34	44.7	692	2	US-09-771-045B-19	Sequence 19, Appl	340	33	43.4	466	2	US-09-949-016-6351	Sequence 6351, Ap
268	34	44.7	692	2	US-09-770-564A-19	Sequence 19, Appl	341	33	43.4	469	2	US-09-543-681A-7533	Sequence 7533, Ap
269	34	44.7	692	2	US-10-318-308-1	Sequence 1, Appl	342	33	43.4	476	2	US-09-248-796A-16327	Sequence 16327, A
270	34	44.7	692	2	US-09-658-835C-19	Sequence 19, Appl	343	33	43.4	497	1	US-08-252-432-2	Sequence 2, Appl
271	34	44.7	709	2	US-09-949-016-6809	Sequence 6809, Ap	344	33	43.4	497	1	US-08-727-126-2	Sequence 2, Appl
272	34	44.7	728	2	US-09-949-016-7213	Sequence 7213, Ap	345	33	43.4	497	2	US-08-942-761-2	Sequence 2, Appl
273	34	44.7	729	2	US-09-543-681A-8257	Sequence 8257, Ap	346	33	43.4	504	2	US-09-949-016-7935	Sequence 7935, Ap
274	34	44.7	784	2	US-09-004-838-12	Sequence 12, Appl	347	33	43.4	506	2	US-09-949-016-7650	Sequence 7650, Ap
275	34	44.7	784	2	US-09-583-110-5192	Sequence 5192, Ap	348	33	43.4	507	2	US-09-538-092-95	Sequence 95, Appl
276	34	44.7	784	2	US-09-769-787-36	Sequence 36, Appl	349	33	43.4	509	2	US-09-538-092-573	Sequence 573, App
277	34	44.7	787	2	US-09-107-433-4612	Sequence 4612, Ap	350	33	43.4	510	2	US-09-893-737-84	Sequence 84, Appl
278	34	44.7	828	2	US-09-327-984A-2	Sequence 2, Appl	351	33	43.4	572	2	US-09-134-000C-4595	Sequence 4595, Ap
279	34	44.7	829	2	US-09-352-159-33	Sequence 33, Appl	352	33	43.4	705	2	US-09-547-789-5	Sequence 5, Appl
280	34	44.7	829	2	US-09-352-168-33	Sequence 33, Appl	353	33	43.4	757	2	US-09-725-735A-20	Sequence 20, Appl
281	34	44.7	829	2	US-09-770-564A-33	Sequence 33, Appl	354	33	43.4	800	2	US-09-107-532A-4095	Sequence 4095, Ap
282	34	44.7	883	2	US-09-489-039A-13542	Sequence 13542, A	355	33	43.4	869	2	US-09-489-039A-11429	Sequence 11429, A
283	34	44.7	1124	2	US-08-311-731A-10	Sequence 10, Appl	356	33	43.4	915	2	US-09-538-092-863	Sequence 863, App
284	34	44.7	1140	2	US-09-950-634-4	Sequence 4, Appl	357	33	43.4	916	2	US-09-949-016-6611	Sequence 6611, App
285	34	44.7	1140	2	US-09-352-159-31	Sequence 31, Appl	358	33	43.4	916	2	US-09-949-016-11417	Sequence 11417, A
286	34	44.7	1196	2	US-09-352-168-31	Sequence 31, Appl	359	33	43.4	948	2	US-09-613-303-21	Sequence 21, Appl
287	34	44.7	1196	2	US-09-352-168-31	Sequence 31, Appl	360	33	43.4	948	2	US-10-267-311-11	Sequence 21, Appl
288	34	44.7	1196	2	US-09-771-045B-31	Sequence 31, Appl	361	33	43.4	1020	2	US-09-538-092-911	Sequence 911, App
289	34	44.7	1196	2	US-09-770-564A-31	Sequence 31, Appl	362	33	43.4	1210	2	US-09-949-016-7176	Sequence 7176, Ap
290	34	44.7	1196	2	US-09-658-835C-31	Sequence 31, Appl	363	33	43.4	1210	2	US-09-949-016-7177	Sequence 7177, Ap
291	34	44.7	1205	2	US-09-352-159-29	Sequence 29, Appl	364	33	43.4	1226	2	US-09-248-796A-19043	Sequence 19043, A
292	34	44.7	1205	2	US-09-352-168-29	Sequence 29, Appl	365	33	43.4	2887	2	US-08-462-467B-2	Sequence 2, Appl
293	34	44.7	1205	2	US-09-771-045B-29	Sequence 29, Appl	366	33	43.4	2887	2	US-08-462-467B-8	Sequence 8, Appl
294	34	44.7	1205	2	US-09-770-564A-29	Sequence 29, Appl	367	33	43.4	137	2	US-09-152-060-97	Sequence 97, Appl
295	34	44.7	1205	2	US-09-658-835C-29	Sequence 29, Appl	368	33	43.4	137	2	US-09-852-797-97	Sequence 97, Appl
296	34	44.7	1252	2	US-10-012-762-20	Sequence 20, Appl	369	33	43.4	137	2	US-09-853-161-97	Sequence 97, Appl
297	34	44.7	1252	2	US-09-704-036B-20	Sequence 20, Appl	370	33	43.4	137	2	US-10-058-993-87	Sequence 97, Appl
298	34	44.7	1252	2	US-10-651-183-20	Sequence 20, Appl	371	33	43.4	162	2	US-09-152-060-63	Sequence 63, Appl
299	34	44.7	29	2	US-09-269-576G-25	Sequence 25, Appl	372	33	43.4	162	2	US-09-852-797-63	Sequence 63, Appl
300	33	43.4	40	2	US-09-270-767-61001	Sequence 61001, A	373	33	43.4	162	2	US-09-853-161-93	Sequence 63, Appl
301	33	43.4	59	2	US-10-044-359-10	Sequence 10, Appl	374	33	43.4	162	2	US-10-058-993-33	Sequence 63, Appl
302	33	43.4	106	2	US-09-248-796A-26555	Sequence 26525, A	375	33	43.4	701	2	US-09-419-679-2	Sequence 2912, Ap
303	33	43.4	123	2	US-09-328-352-7124	Sequence 7124, Ap	376	33	43.4	25	1	US-09-419-679-2	Sequence 2, Appl
304	33	43.4	161	2	US-09-248-796A-17503	Sequence 17503, A	377	33	43.4	25	1	US-08-378-761A-30	Sequence 30, Appl
305	33	43.4	188	2	US-09-489-039A-13345	Sequence 13345, A	378	33	43.4	25	6	US-08-485-286-30	Sequence 30, Appl
306	33	43.4	219	2	US-09-270-767-58929	Sequence 58929, A	379	33	43.4	25	6	5248606-16	Patent No. 5248606
307	33	43.4	235	2	US-09-543-681A-6297	Sequence 6297, Ap	380	33	43.4	58	2	US-10-044-359-2	Sequence 2, Appl
308	33	43.4	240	2	US-09-248-796A-15041	Sequence 15041, A	381	33	43.4	59	2	US-09-485-147A-76	Sequence 76, Appl
309	33	43.4	244	2	US-09-328-352-5628	Sequence 5628, Ap	382	33	43.4	61	2	US-09-485-147A-74	Sequence 74, Appl
310	33	43.4	266	2	US-09-710-279-1974	Sequence 1974, Ap	383	33	43.4	61	2	US-09-485-147A-80	Sequence 80, Appl
311	33	43.4	276	1	US-07-857-224B-35	Sequence 35, Appl	384	33	43.4	62	2	US-09-485-147A-78	Sequence 78, Appl
312	33	43.4	277	1	US-09-134-001C-5452	Sequence 5452, Ap	385	33	43.4	63	2	US-09-248-796A-25207	Sequence 25207, A
313	33	43.4	310	2	US-09-248-796A-20563	Sequence 20563, Ap	386	33	43.4	66	2	US-09-248-796A-14139	Sequence 14139, A
314	33	43.4	333	2	US-09-248-796A-20925	Sequence 20925, A	387	33	43.4	77	2	US-09-540-236-1158	Sequence 3158, Ap
315	33	43.4	340	1	US-08-355-844-1	Sequence 1, Appl	388	33	43.4	77	2	US-09-540-236-1158	Sequence 3158, Ap
316	33	43.4	340	2	US-09-120-051D-46	Sequence 46, Appl	389	33	43.4	97	2	US-09-205-258-812	Sequence 812, App
317	33	43.4	340	4	PCT-US95-16126-1	Sequence 1, Appl	390	33	43.4	97	2	US-10-004-860-812	Sequence 812, App
318	33	43.4	341	2	US-09-490-291-9	Sequence 9, Appl	391	33	43.4	120	2	US-09-205-258-817	Sequence 817, App
319	33	43.4	350	2	US-09-270-767-43557	Sequence 43557, A	392	33	43.4	120	2	US-10-004-860-817	Sequence 817, App

393	32	42.1	145	2	US-09-270-767-36625	Sequence 36625, A	466	32	42.1	730	2	US-09-949-016-11573	Sequence 11573, A
394	32	42.1	145	2	US-09-270-767-51842	Sequence 51842, A	467	32	42.1	895	2	US-09-270-767-42010	Sequence 42010, A
395	32	42.1	152	2	US-09-485-147A-82	Sequence 82, Appl	468	32	42.1	970	6	5229293-2	Patent No. 5229293
396	32	42.1	152	2	US-09-485-147A-84	Sequence 84, Appl	469	32	42.1	1114	2	US-09-975-413A-12	Sequence 12, Appl
397	32	42.1	152	2	US-09-485-147A-86	Sequence 86, Appl	470	32	42.1	1140	2	US-09-220-081-2	Sequence 2, Appl
398	32	42.1	165	2	US-09-107-532A-4582	Sequence 4582, Ap	471	32	42.1	1140	2	US-09-677-575-2	Sequence 2, Appl
399	32	42.1	165	2	US-09-107-532A-4583	Sequence 4583, Ap	472	32	42.1	1140	2	US-09-045-072-2	Sequence 2, Appl
400	32	42.1	176	2	US-09-902-540-16036	Sequence 16036, A	473	32	42.1	1139	2	US-09-284-768A-10	Sequence 10, Appl
401	32	42.1	241	1	US-09-134-000C-63447	Sequence 63447, Ap	474	32	42.1	1399	2	US-08-462-467B-14	Sequence 14, Appl
402	32	42.1	244	1	US-07-869-933-32	Sequence 32, Appl	475	32	42.1	1495	2	US-08-462-467B-12	Sequence 12, Appl
403	32	42.1	244	1	US-08-201-879A-3	Sequence 3, Appl	476	32	42.1	1584	2	US-09-251-645-6	Sequence 6, Appl
404	32	42.1	244	1	US-09-103-663-32	Sequence 32, Appl	477	32	42.1	3200	1	US-08-477-451-8	Sequence 8, Appl
405	32	42.1	244	2	US-09-543-681A-7587	Sequence 7587, Ap	478	32	42.1	3218	1	US-08-764-100-27	Sequence 2, Appl
406	32	42.1	244	2	US-09-949-016-5892	Sequence 5892, Ap	479	31.5	41.4	201	2	US-09-583-110-5297	Sequence 5297, Ap
407	32	42.1	256	2	US-09-949-016-8329	Sequence 8329, Ap	480	31.5	41.4	206	2	US-09-107-433-2696	Sequence 2696, Ap
408	32	42.1	258	2	US-09-328-352-4425	Sequence 4425, Ap	481	31.5	41.4	291	2	US-09-270-767-46539	Sequence 46539, A
409	32	42.1	263	2	US-09-792-024-79	Sequence 79, Appl	482	31.5	41.4	427	1	US-08-896-345-2	Sequence 2, Appl
410	32	42.1	268	2	US-09-134-000C-4101	Sequence 4101, Ap	483	31.5	41.4	427	1	US-09-226-091-2	Sequence 2, Appl
411	32	42.1	274	2	US-09-784-508-2	Sequence 2, Appl	484	31	40.8	7	2	US-09-308-935-7	Sequence 7, Appl
412	32	42.1	283	2	US-09-248-796A-19345	Sequence 19345, A	485	31	40.8	19	2	US-09-962-756-1214	Sequence 1214, Ap
413	32	42.1	295	2	US-09-248-796A-16714	Sequence 16714, A	486	31	40.8	21	2	US-09-962-756-1645	Sequence 1645, Ap
414	32	42.1	310	2	US-09-632-947B-8	Sequence 8, Appl	487	31	40.8	22	2	US-08-604-965E-7	Sequence 7, Appl
415	32	42.1	317	2	US-09-489-039A-8044	Sequence 8044, Ap	488	31	40.8	25	2	US-08-604-965E-1	Sequence 1, Appl
416	32	42.1	317	2	US-09-359-161-3	Sequence 3, Appl	489	31	40.8	37	2	US-09-178-093B-45	Sequence 45, Appl
417	32	42.1	376	2	US-09-328-352-8084	Sequence 8084, Ap	490	31	40.8	40	2	US-08-604-965E-2	Sequence 2, Appl
418	32	42.1	386	2	US-09-543-681A-7572	Sequence 7572, Ap	491	31	40.8	42	6	5258287-4	Patent No. 5258287
419	32	42.1	387	2	US-09-252-991A-22990	Sequence 22990, A	492	31	40.8	43	2	US-09-217-293-8	Sequence 8, Appl
420	32	42.1	387	2	US-09-543-681A-7268	Sequence 7268, Ap	493	31	40.8	46	2	US-08-740-644-7	Sequence 7, Appl
421	32	42.1	390	2	US-09-949-016-8340	Sequence 8340, Ap	494	31	40.8	51	2	US-09-270-767-60788	Sequence 7, Appl
422	32	42.1	398	1	US-08-507-431-2	Sequence 2, Appl	495	31	40.8	51	2	US-09-270-767-60788	Sequence 7, Appl
423	32	42.1	398	1	US-08-902-655A-2	Sequence 2, Appl	496	31	40.8	53	2	US-09-270-767-60788	Sequence 7, Appl
424	32	42.1	398	1	US-09-116-622-2	Sequence 2, Appl	497	31	40.8	54	2	US-09-205-258-455	Sequence 455, Ap
425	32	42.1	398	2	US-09-219-277-2	Sequence 2, Appl	498	31	40.8	54	2	US-10-004-860-455	Sequence 455, Ap
426	32	42.1	398	2	US-09-599-661-2	Sequence 2, Appl	499	31	40.8	60	6	5258287-1	Patent No. 5258287
427	32	42.1	409	2	US-09-248-796A-17922	Sequence 17922, A	500	31	40.8	62	2	US-09-270-767-53224	Sequence 3224, A
428	32	42.1	411	2	US-09-205-258-815	Sequence 815, Ap	501	31	40.8	63	2	US-09-107-532A-5706	Sequence 5706, Ap
429	32	42.1	411	2	US-10-004-860-815	Sequence 815, Ap	502	31	40.8	75	2	US-09-235-451-16	Sequence 16, Appl
430	32	42.1	413	2	US-09-489-039A-7562	Sequence 7562, Ap	503	31	40.8	75	2	US-09-235-451-17	Sequence 17, Appl
431	32	42.1	416	2	US-09-949-016-8237	Sequence 8237, Ap	504	31	40.8	75	2	US-09-978-303-16	Sequence 16, Appl
432	32	42.1	432	2	US-09-198-452A-124	Sequence 124, Ap	505	31	40.8	75	2	US-09-978-303-17	Sequence 17, Appl
433	32	42.1	434	2	US-09-438-185A-108	Sequence 108, Ap	506	31	40.8	82	2	US-09-445-480D-30	Sequence 30, Appl
434	32	42.1	439	2	US-09-160-036-1	Sequence 1, Appl	507	31	40.8	85	2	US-08-604-965B-9	Sequence 9, Appl
435	32	42.1	439	2	US-10-150-068-1	Sequence 1, Appl	508	31	40.8	87	2	US-09-270-767-60924	Sequence 60924, A
436	32	42.1	447	2	US-09-610-104C-2	Sequence 2, Appl	509	31	40.8	92	2	US-09-107-532A-4069	Sequence 4069, Ap
437	32	42.1	447	2	US-09-543-681A-8120	Sequence 8120, Ap	510	31	40.8	96	2	US-09-270-767-58109	Sequence 58109, A
438	32	42.1	452	2	US-09-662-254B-14	Sequence 14, Appl	511	31	40.8	98	2	US-08-887-534A-63	Sequence 63, Appl
439	32	42.1	453	2	US-09-248-796A-17535	Sequence 17535, A	512	31	40.8	98	2	US-09-527-431-63	Sequence 63, Appl
440	32	42.1	455	2	US-09-160-036-12	Sequence 12, Appl	513	31	40.8	98	2	US-09-446-861-63	Sequence 63, Appl
441	32	42.1	464	2	US-10-150-068-12	Sequence 12, Appl	514	31	40.8	98	2	US-09-248-796A-26409	Sequence 26409, A
442	32	42.1	464	2	US-09-538-092-948	Sequence 948, Ap	515	31	40.8	101	2	US-09-248-796A-27613	Sequence 27613, A
443	32	42.1	469	2	US-09-538-092-948	Sequence 948, Ap	516	31	40.8	106	2	US-09-270-767-58791	Sequence 58791, A
444	32	42.1	481	2	US-09-270-767-42183	Sequence 42183, A	517	31	40.8	116	2	US-09-205-658-243	Sequence 243, Ap
445	32	42.1	486	2	US-09-949-016-11133	Sequence 11133, A	518	31	40.8	119	2	US-09-605-703B-2334	Sequence 2334, Ap
446	32	42.1	498	2	US-09-786-240-1	Sequence 1, Appl	519	31	40.8	131	2	US-09-270-767-37014	Sequence 37014, A
447	32	42.1	506	2	US-09-198-452A-261	Sequence 261, Ap	520	31	40.8	131	2	US-09-270-767-52321	Sequence 52321, A
448	32	42.1	506	2	US-09-438-185A-251	Sequence 251, Ap	521	31	40.8	152	2	US-09-107-532A-4557	Sequence 4557, Ap
449	32	42.1	510	2	US-09-489-039A-12574	Sequence 12574, A	522	31	40.8	154	2	US-09-732-210-103	Sequence 103, Ap
450	32	42.1	515	2	US-09-543-681A-4218	Sequence 4218, Ap	523	31	40.8	154	2	US-09-732-210-210	Sequence 210, Ap
451	32	42.1	522	2	US-09-995-749A-11	Sequence 11, Appl	524	31	40.8	156	2	US-09-732-210-859	Sequence 859, Ap
452	32	42.1	523	2	US-09-604-957-5	Sequence 5, Appl	525	31	40.8	156	2	US-09-732-210-857	Sequence 857, Ap
453	32	42.1	530	2	US-09-270-767-46567	Sequence 46567, A	526	31	40.8	156	2	US-09-949-016-6010	Sequence 6010, Ap
454	32	42.1	608	2	US-09-489-039A-13503	Sequence 13503, A	527	31	40.8	158	2	US-09-902-540-11525	Sequence 11525, A
455	32	42.1	631	2	US-09-345-468-12	Sequence 12, Appl	528	31	40.8	159	2	US-09-949-016-9864	Sequence 9864, Ap
456	32	42.1	631	2	US-09-414-453A-12	Sequence 12, Appl	529	31	40.8	161	2	US-09-202-161B-2	Sequence 2, Appl
457	32	42.1	631	2	US-09-310-463-20	Sequence 20, Appl	530	31	40.8	163	2	US-09-270-767-45418	Sequence 45418, A
458	32	42.1	631	2	US-08-842-248A-20	Sequence 20, Appl	531	31	40.8	164	2	US-09-270-767-40899	Sequence 40899, A
459	32	42.1	645	2	US-09-252-991A-32779	Sequence 32779, A	532	31	40.8	164	2	US-09-270-767-56115	Sequence 56115, A
460	32	42.1	646	2	US-09-949-016-7344	Sequence 7344, Ap	533	31	40.8	164	2	US-09-710-779-3040	Sequence 3040, Ap
461	32	42.1	671	1	US-08-451-715A-4	Sequence 4, Appl	534	31	40.8	178	2	US-09-489-039A-12795	Sequence 12795, A
462	32	42.1	671	2	US-09-328-352-7868	Sequence 7868, Ap	535	31	40.8	178	2	US-09-270-767-67999	Sequence 36799, A
463	32	42.1	681	2	US-09-270-767-39664	Sequence 39664, A	536	31	40.8	188	2	US-09-270-767-62016	Sequence 52016, A
464	32	42.1	681	2	US-09-270-767-54881	Sequence 54881, A	537	31	40.8	188	2	US-09-328-352-7088	Sequence 7088, Ap
465	32	42.1	714	2	US-09-489-039A-11109	Sequence 11109, A	538	31	40.8	195	2	US-09-949-016-7088	Sequence 7088, Ap

539	31	40.8	223	2	US-09-270-767-43439	Sequence 43439, A	612	31	40.8	380	2	US-09-107-532A-4116	Sequence 4116, Ap
540	31	40.8	226	2	US-09-538-092-635	Sequence 635, App	613	31	40.8	380	2	US-09-487-558B-402	Sequence 402, App
541	31	40.8	229	2	US-09-270-767-44262	Sequence 44262, A	614	31	40.8	400	1	US-08-747-887-2	Sequence 2, Appl
542	31	40.8	232	2	US-09-134-001C-3649	Sequence 3649, Ap	615	31	40.8	402	2	US-09-543-681A-6953	Sequence 6953, Ap
543	31	40.8	253	2	US-09-248-796A-15042	Sequence 15042, A	616	31	40.8	431	2	US-09-538-092-1027	Sequence 1027, App
544	31	40.8	255	2	US-09-543-681A-5713	Sequence 5713, Ap	617	31	40.8	441	2	US-09-252-991A-1680	Sequence 1680, A
545	31	40.8	256	2	US-09-107-532A-4072	Sequence 4072, A	618	31	40.8	442	2	US-09-540-236-1728	Sequence 3728, Ap
546	31	40.8	258	2	US-09-248-796A-15043	Sequence 15043, A	619	31	40.8	455	2	US-09-902-540-15002	Sequence 15002, A
547	31	40.8	260	1	US-07-857-224B-7	Sequence 7, Appl	620	31	40.8	459	2	US-09-352-990-26	Sequence 26, Appl
548	31	40.8	264	1	US-08-482-271-3	Sequence 3, Appl	621	31	40.8	464	2	US-10-169-048-8	Sequence 28, Appl
549	31	40.8	264	1	US-08-482-271-4	Sequence 4, Appl	622	31	40.8	465	2	US-09-328-352-4543	Sequence 4543, Ap
550	31	40.8	264	1	US-08-854-811-45	Sequence 45, Appl	623	31	40.8	471	2	US-09-134-000C-6228	Sequence 6228, Ap
551	31	40.8	264	2	US-09-080-120A-2	Sequence 2, Appl	624	31	40.8	475	2	US-09-489-039A-13710	Sequence 13710, A
552	31	40.8	264	2	US-09-080-120A-4	Sequence 4, Appl	625	31	40.8	477	2	US-09-336-643A-18	Sequence 18, Appl
553	31	40.8	264	2	US-09-322-484-1	Sequence 1, Appl	626	31	40.8	486	1	US-08-821-355A-8	Sequence 8, Appl
554	31	40.8	264	2	US-09-089-062-1	Sequence 1, Appl	627	31	40.8	486	1	US-09-003-687A-8	Sequence 8, Appl
555	31	40.8	264	2	US-10-215-759-18	Sequence 18, Appl	628	31	40.8	486	1	US-09-136-605-8	Sequence 8, Appl
556	31	40.8	264	2	US-10-215-759-19	Sequence 19, Appl	629	31	40.8	488	2	US-09-562-930-6	Sequence 6, Appl
557	31	40.8	264	2	US-10-264-672-18	Sequence 18, Appl	630	31	40.8	489	2	US-09-991-181-138	Sequence 138, App
558	31	40.8	264	2	US-10-264-672-19	Sequence 19, Appl	631	31	40.8	489	2	US-09-990-444-138	Sequence 138, App
559	31	40.8	264	2	US-10-383-999-18	Sequence 18, Appl	632	31	40.8	489	2	US-09-997-333-138	Sequence 138, App
560	31	40.8	264	2	US-10-383-999-19	Sequence 19, Appl	633	31	40.8	489	2	US-09-992-598-138	Sequence 138, App
561	31	40.8	264	4	PCT-US95-08925-2	Sequence 2, Appl	634	31	40.8	492	2	US-09-710-279-770	Sequence 770, App
562	31	40.8	264	4	PCT-US95-08925-4	Sequence 4, Appl	635	31	40.8	496	2	US-09-328-352-6168	Sequence 6168, Ap
563	31	40.8	265	2	US-09-902-540-11639	Sequence 11639, A	636	31	40.8	497	2	US-09-489-039A-12364	Sequence 12364, A
564	31	40.8	267	2	US-09-134-000C-6273	Sequence 6273, Ap	637	31	40.8	501	1	US-08-499-215-4	Sequence 4, Appl
565	31	40.8	269	2	US-09-538-092-1089	Sequence 1089, Ap	638	31	40.8	501	2	US-09-248-796A-15119	Sequence 15119, A
566	31	40.8	271	2	US-09-252-991A-3073	Sequence 3073, Ap	639	31	40.8	509	2	US-08-809-999D-17	Sequence 17, Appl
567	31	40.8	277	2	US-10-104-047-3046	Sequence 3046, Ap	640	31	40.8	509	2	US-09-069-637-17	Sequence 17, Appl
568	31	40.8	290	2	US-09-068-655-9	Sequence 9, Appl	641	31	40.8	509	2	US-09-322-360-17	Sequence 17, Appl
569	31	40.8	291	1	US-08-468-847B-19	Sequence 19, Appl	642	31	40.8	509	2	US-09-131-831B-17	Sequence 17, Appl
570	31	40.8	291	2	US-09-080-120A-7	Sequence 7, Appl	643	31	40.8	511	1	US-08-821-355A-9	Sequence 9, Appl
571	31	40.8	291	2	US-09-702-705-333	Sequence 333, App	644	31	40.8	511	1	US-09-003-687A-9	Sequence 9, Appl
572	31	40.8	291	2	US-09-735-457-333	Sequence 333, App	645	31	40.8	511	2	US-09-136-605-9	Sequence 9, Appl
573	31	40.8	291	2	US-09-614-148-333	Sequence 333, App	646	31	40.8	512	2	US-09-107-532A-6559	Sequence 6559, Ap
574	31	40.8	291	2	US-09-671-325-333	Sequence 333, App	647	31	40.8	519	2	US-08-956-171E-5230	Sequence 5230, Ap
575	31	40.8	291	2	US-09-589-184-333	Sequence 333, App	648	31	40.8	519	2	US-08-781-986A-5197	Sequence 5197, Ap
576	31	40.8	291	2	US-09-658-824-333	Sequence 333, App	649	31	40.8	524	2	US-09-134-001C-3353	Sequence 3353, Ap
577	31	40.8	291	2	US-09-949-016-11416	Sequence 11416, A	650	31	40.8	528	2	US-09-949-016-11233	Sequence 11233, A
578	31	40.8	291	2	US-10-017-754-333	Sequence 333, App	651	31	40.8	529	2	US-09-134-000C-5948	Sequence 5948, Ap
579	31	40.8	291	2	US-09-651-563-333	Sequence 333, App	652	31	40.8	544	2	US-09-198-452A-180	Sequence 180, App
580	31	40.8	291	2	US-09-519-642-333	Sequence 333, App	653	31	40.8	556	2	US-09-438-185A-162	Sequence 162, App
581	31	40.8	291	4	PCT-US95-08925-7	Sequence 7, Appl	654	31	40.8	570	1	US-08-453-848-7	Sequence 7, Appl
582	31	40.8	291	6	5212074-5	Patent No. 5212074	655	31	40.8	570	2	US-09-169-027-7	Sequence 7, Appl
583	31	40.8	292	6	5258287-24	Patent No. 5258287	656	31	40.8	571	1	US-08-453-848-15	Sequence 15, Appl
584	31	40.8	300	2	US-09-540-226-2547	Sequence 2547, Ap	657	31	40.8	571	1	US-08-453-848-15	Sequence 21, Appl
585	31	40.8	305	2	US-09-270-767-41419	Sequence 41419, A	658	31	40.8	571	2	US-09-169-027-15	Sequence 15, Appl
586	31	40.8	306	2	US-09-712-363-186	Sequence 186, App	659	31	40.8	621	2	US-09-169-027-11	Sequence 21, Appl
587	31	40.8	311	2	US-09-489-039A-11573	Sequence 11573, A	660	31	40.8	621	2	US-09-026-001A-6	Sequence 6, Appl
588	31	40.8	313	2	US-08-956-171E-5197	Sequence 5197, Ap	661	31	40.8	621	2	US-09-996-620-6	Sequence 6, Appl
589	31	40.8	313	2	US-08-781-986A-5197	Sequence 5197, Ap	662	31	40.8	625	2	US-09-347-801-18	Sequence 18, Appl
590	31	40.8	319	2	US-09-902-540-10540	Sequence 10540, A	663	31	40.8	625	2	US-09-854-731-18	Sequence 18, Appl
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592	31	40.8	322	2	US-09-359-161-7	Sequence 7, Appl	665	31	40.8	645	2	US-09-328-501-1	Sequence 1, Appl
593	31	40.8	322	2	US-09-538-092-297	Sequence 297, App	666	31	40.8	646	2	US-09-777-710A-1	Sequence 1, Appl
594	31	40.8	328	2	US-09-142-584-2	Sequence 2, Appl	667	31	40.8	646	5	US-10-191-289A-1	Sequence 1, Appl
595	31	40.8	328	2	US-09-142-584-4	Sequence 4, Appl	668	31	40.8	646	5	US-09-538-092-1206	Sequence 1206, Ap
596	31	40.8	328	2	US-09-142-584-6	Sequence 6, Appl	669	31	40.8	664	2	US-09-949-016-10347	Sequence 10347, A
597	31	40.8	335	2	US-09-543-681A-5733	Sequence 5733, Ap	670	31	40.8	668	2	US-09-252-991A-22341	Sequence 22341, A
598	31	40.8	335	2	US-09-949-016-8585	Sequence 8585, Ap	671	31	40.8	670	2	US-09-328-501-15	Sequence 15, Appl
599	31	40.8	338	2	US-09-689-486-63	Sequence 63, Appl	672	31	40.8	670	2	US-09-777-710A-15	Sequence 15, Appl
600	31	40.8	341	2	US-09-198-452A-293	Sequence 293, App	673	31	40.8	670	5	US-10-191-289A-15	Sequence 15, Appl
601	31	40.8	347	2	US-09-217-293-1	Sequence 1, Appl	674	31	40.8	673	2	US-09-711-164-328	Sequence 328, App
602	31	40.8	348	2	US-09-438-165A-282	Sequence 282, App	675	31	40.8	675	2	US-09-489-039A-9181	Sequence 9181, Ap
603	31	40.8	356	2	US-09-902-540-12715	Sequence 12715, A	676	31	40.8	676	2	US-09-252-991A-29396	Sequence 29396, A
604	31	40.8	357	2	US-09-345-236B-49	Sequence 49, Appl	677	31	40.8	677	2	US-09-252-991A-27035	Sequence 27035, A
605	31	40.8	359	2	US-09-328-352-8005	Sequence 8005, Ap	678	31	40.8	713	2	US-08-628-434-2	Sequence 2, Appl
606	31	40.8	364	2	US-09-270-767-50726	Sequence 50726, A	679	31	40.8	713	2	US-08-628-434-4	Sequence 4, Appl
607	31	40.8	364	2	US-09-270-767-50726	Sequence 50726, A	680	31	40.8	742	2	US-09-489-039A-7998	Sequence 7998, Ap
608	31	40.8	365	2	US-09-107-532A-6590	Sequence 6590, Ap	681	31	40.8	779	1	US-08-190-802A-32	Sequence 32, Appl
609	31	40.8	366	2	US-09-359-268A-27	Sequence 27, Appl	682	31	40.8	779	2	US-08-477-346-32	Sequence 32, Appl
610	31	40.8	369	2	US-09-134-000C-5705	Sequence 5705, Ap	683	31	40.8	779	2	US-08-473-089-12	Sequence 32, Appl
611	31	40.8	372	2	US-09-489-039A-12516	Sequence 12516, A	684	31	40.8	779	2	US-08-487-072A-32	Sequence 32, Appl



685	31	40.8	779	2	US-09-177-165A-29	Sequence 29, Appl	758	30	39.5	183	2	US-09-122-443-11	Sequence 11, Appl
686	31	40.8	779	2	US-09-538-092-264	Sequence 264, Appl	759	30	39.5	183	2	US-09-558-089-11	Sequence 11, Appl
687	31	40.8	800	2	US-09-297-703C-57	Sequence 57, Appl	760	30	39.5	183	2	US-09-558-087-11	Sequence 11, Appl
688	31	40.8	818	2	US-09-134-000C-5599	Sequence 5599, Ap	761	30	39.5	183	2	US-09-710-279-1320	Sequence 1320, Ap
689	31	40.8	881	2	US-09-489-039A-13851	Sequence 13851, A	762	30	39.5	183	2	US-09-558-474-11	Sequence 11, Appl
690	31	40.8	920	2	US-09-763-620-35	Sequence 35, Appl	763	30	39.5	184	2	US-09-328-352-4893	Sequence 4893, Ap
691	31	40.8	943	1	US-08-808-982-7	Sequence 7, Appl	764	30	39.5	191	2	US-09-232-191-15	Sequence 15, Appl
692	31	40.8	943	1	US-09-306-902A-7	Sequence 7, Appl	765	30	39.5	191	2	US-09-232-200-15	Sequence 15, Appl
693	31	40.8	945	2	US-09-489-039A-8135	Sequence 8135, Ap	766	30	39.5	191	2	US-09-232-197-15	Sequence 15, Appl
694	31	40.8	945	2	US-10-037-417-121	Sequence 121, Ap	767	30	39.5	191	2	US-09-232-201-15	Sequence 15, Appl
695	31	40.8	1109	2	US-09-688-188B-88	Sequence 88, Appl	768	30	39.5	192	2	US-09-232-195-15	Sequence 15, Appl
696	31	40.8	1109	2	US-09-291-417D-88	Sequence 88, Appl	769	30	39.5	191	2	US-08-086-428B-62	Sequence 62, Appl
697	31	40.8	1117	2	US-09-252-991A-23416	Sequence 23416, A	770	30	39.5	192	1	US-08-468-570-62	Sequence 62, Appl
698	31	40.8	1162	2	US-09-252-991A-32764	Sequence 32764, A	771	30	39.5	192	1	US-08-290-665A-62	Sequence 62, Appl
699	31	40.8	1246	2	US-09-252-991A-23140	Sequence 23140, A	772	30	39.5	192	1	US-08-466-501A-62	Sequence 62, Appl
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701	31	40.8	1835	2	US-09-457-571-15	Sequence 15, Appl	774	30	39.5	196	2	US-09-605-703B-1970	Sequence 1970, Ap
702	31	40.8	2285	2	US-09-252-991A-17790	Sequence 17790, A	775	30	39.5	203	2	US-09-248-796A-16670	Sequence 16670, A
703	30.5	40.1	360	2	US-09-543-681A-8056	Sequence 8056, Ap	776	30	39.5	208	2	US-09-328-352-5111	Sequence 5111, Ap
704	30.5	40.1	372	2	US-09-270-767-41464	Sequence 41464, A	777	30	39.5	216	2	US-09-489-039A-7908	Sequence 7908, Ap
705	30.5	40.1	440	2	US-09-583-110-3929	Sequence 3929, Ap	778	30	39.5	216	2	US-09-248-796A-17238	Sequence 17238, A
706	30.5	40.1	443	2	US-09-107-433-4816	Sequence 4816, Ap	779	30	39.5	225	2	US-09-453-195A-6	Sequence 6, Appl
707	30.5	40.1	467	2	US-09-543-681A-6988	Sequence 6988, Ap	780	30	39.5	225	2	US-09-917-974-6	Sequence 6, Appl
708	30.5	40.1	854	2	US-09-619-353-10	Sequence 10, Appl	781	30	39.5	228	2	US-09-270-767-38023	Sequence 38023, A
709	30	39.5	47	2	US-09-902-540-13179	Sequence 13179, A	782	30	39.5	228	2	US-09-270-767-53240	Sequence 53240, A
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711	30	39.5	48	1	US-08-469-537A-69	Sequence 69, Appl	784	30	39.5	233	1	US-09-348-116A-4	Sequence 4, Appl
712	30	39.5	49	2	US-09-205-258-525	Sequence 525, Ap	785	30	39.5	234	2	US-09-540-236-3705	Sequence 3705, Ap
713	30	39.5	49	2	US-10-004-860-525	Sequence 525, Ap	786	30	39.5	235	2	US-09-270-767-48485	Sequence 48485, A
714	30	39.5	56	2	US-10-044-359-8	Sequence 8, Appl	787	30	39.5	249	2	US-08-837-317-3	Sequence 3, Appl
715	30	39.5	59	2	US-09-418-710-38	Sequence 38, Appl	788	30	39.5	249	2	US-09-573-885A-3	Sequence 3, Appl
716	30	39.5	59	2	US-09-418-710-50	Sequence 50, Appl	789	30	39.5	251	1	US-08-469-537A-80	Sequence 80, Appl
717	30	39.5	59	2	US-09-839-479-37	Sequence 37, Appl	790	30	39.5	251	1	US-08-469-537A-81	Sequence 81, Appl
718	30	39.5	59	2	US-09-839-479-49	Sequence 49, Appl	791	30	39.5	254	1	US-09-270-767-37839	Sequence 37839, A
719	30	39.5	65	2	US-09-328-352-7222	Sequence 7222, Ap	792	30	39.5	254	2	US-09-270-767-53056	Sequence 53056, A
720	30	39.5	72	2	US-09-248-796A-25436	Sequence 25436, A	793	30	39.5	255	2	US-09-543-681A-5140	Sequence 5140, Ap
721	30	39.5	76	2	US-09-270-767-35255	Sequence 35255, A	794	30	39.5	257	2	US-09-743-207-6	Sequence 6, Appl
722	30	39.5	76	2	US-09-270-767-50472	Sequence 50472, A	795	30	39.5	268	2	US-09-371-368-17	Sequence 17, Appl
723	30	39.5	90	2	US-08-887-534A-59	Sequence 59, Appl	796	30	39.5	280	2	US-09-270-767-49070	Sequence 49070, A
724	30	39.5	90	2	US-09-527-431-59	Sequence 59, Appl	797	30	39.5	280	2	US-09-107-532A-5182	Sequence 5182, Ap
725	30	39.5	90	2	US-09-446-861-59	Sequence 59, Appl	798	30	39.5	287	2	US-09-024-848-2	Sequence 2, Appl
726	30	39.5	94	2	US-09-248-796A-21488	Sequence 21488, A	799	30	39.5	292	1	US-09-348-116A-2	Sequence 2, Appl
727	30	39.5	97	2	US-09-270-767-59874	Sequence 59874, A	800	30	39.5	292	2	US-09-583-110-4530	Sequence 4530, Ap
728	30	39.5	99	2	US-09-248-796A-22280	Sequence 22280, A	801	30	39.5	292	2	US-09-107-433-3248	Sequence 3248, Ap
729	30	39.5	106	2	US-09-543-681A-5261	Sequence 5261, Ap	802	30	39.5	295	2	US-09-785-381-5	Sequence 5, Appl
730	30	39.5	109	2	US-09-543-681A-5248	Sequence 5248, Ap	803	30	39.5	298	2	US-09-328-352-6370	Sequence 6370, Ap
731	30	39.5	111	2	US-09-543-681A-5903	Sequence 5903, Ap	804	30	39.5	299	2	US-09-720-318A-4	Sequence 4, Appl
732	30	39.5	114	1	US-09-014-969-4	Sequence 4, Appl	805	30	39.5	300	2	US-09-248-796A-17246	Sequence 17946, A
733	30	39.5	115	2	US-09-107-532A-4792	Sequence 4792, Ap	806	30	39.5	302	2	US-08-303-861-20	Sequence 20, Appl
734	30	39.5	131	2	US-09-489-039A-8436	Sequence 8436, Ap	807	30	39.5	304	2	US-09-107-433-3248	Sequence 3248, Ap
735	30	39.5	139	2	US-09-248-796A-28003	Sequence 28003, A	808	30	39.5	306	2	US-10-007-267A-13	Sequence 13, Appl
736	30	39.5	144	2	US-09-732-210-612	Sequence 612, Ap	809	30	39.5	308	2	US-09-949-016-7693	Sequence 7693, Ap
737	30	39.5	144	2	US-09-711-164-315	Sequence 315, Ap	810	30	39.5	308	2	US-09-489-039A-9453	Sequence 9453, Ap
738	30	39.5	144	2	US-09-492-709A-313	Sequence 313, Ap	811	30	39.5	308	2	US-09-107-433-3470	Sequence 3470, Ap
739	30	39.5	145	2	US-09-489-039A-10963	Sequence 10963, A	812	30	39.5	309	2	US-09-252-991A-27641	Sequence 27641, A
740	30	39.5	147	2	US-09-732-210-654	Sequence 854, Ap	813	30	39.5	312	2	US-09-248-796A-18599	Sequence 18599, A
741	30	39.5	147	2	US-09-107-433-4920	Sequence 4920, Ap	814	30	39.5	312	2	US-09-902-540-11866	Sequence 11866, A
742	30	39.5	149	2	US-09-270-767-33970	Sequence 33970, A	815	30	39.5	314	2	US-09-107-532A-4919	Sequence 4919, Ap
743	30	39.5	149	2	US-09-270-767-9187	Sequence 49187, A	816	30	39.5	315	2	US-09-134-000C-4987	Sequence 4887, Ap
744	30	39.5	150	2	US-09-270-767-37330	Sequence 37330, A	817	30	39.5	320	2	US-09-303-518D-134	Sequence 134, Ap
745	30	39.5	150	2	US-09-270-767-52547	Sequence 52547, A	818	30	39.5	322	1	US-08-932-978-2	Sequence 2, Appl
746	30	39.5	154	2	US-09-733-210-856	Sequence 856, Ap	819	30	39.5	322	2	US-09-134-001C-4889	Sequence 4889, Ap
747	30	39.5	156	2	US-09-205-258-458	Sequence 458, Ap	820	30	39.5	322	2	US-09-583-110-4444	Sequence 4444, Ap
748	30	39.5	156	2	US-09-205-258-523	Sequence 523, Ap	821	30	39.5	325	2	US-09-107-532A-5753	Sequence 5753, Ap
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## ALIGNMENTS

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; APPLICANT: La Thangue, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308, 935
; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
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US-09-308-935-5
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DB 1 RYVDALVLMAMNTIS 16
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; Patent No. 5863757
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas Barrie
; TITLE OF INVENTION: Transcription Factor DP-1
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESSES:
; ADDRESS: Nixon & Vanderhye
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CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22201-4714
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (ERO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/428,131
FILING DATE: 23-JUN-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Arthur R. Crawford
REGISTRATION NUMBER: 25,327
REFERENCE/DOCKET NUMBER: 117-181
TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 13:
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TYPE: amino acid
STRANDBESS: single
TOPOLOGY: linear
MOLECULAR TYPE: protein
US-08-428-131-13
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; APPLICANT: La Thangue, Nicholas Barrie
; TITLE OF INVENTION: Transcription Factor DP-1
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESSES:
; ADDRESS: Nixon & Vanderhye
; STREET: 1100 No. 6150116th Glebe Road, 8th Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22201-4714
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OPERATING SYSTEM: PC-DOS/MS-DOS
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APPLICATION NUMBER: US/09/078,596
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/428,131
FILING DATE: 23-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Arthur R. Crawford
REGISTRATION NUMBER: 25,327
REFERENCE/DOCKET NUMBER: 117-181
TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
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;; INFORMATION FOR SEQ ID NO: 13:

;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 17 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: protein  
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; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandara, Lasantha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308,935  
; EARLIER FILING DATE: 1999-05-27  
; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
; EARLIER FILING DATE: 1997-12-22  
; EARLIER APPLICATION NUMBER: GB 9626589.7  
; EARLIER FILING DATE: 1996-12-20  
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US-09-308-935-3

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; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamasaaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tamio  
; TITLE OF INVENTION: B2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/09/269,576G  
; CURRENT FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
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US-09-269-576G-22

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Db 13 RYVDALNVLMAMNIIS 28

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; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamasaaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tamio  
; TITLE OF INVENTION: B2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/09/269,576G  
; CURRENT FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
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US-09-269-576G-24

Query Match 100.0%; Score 76; DB 2; Length 28;  
Best Local Similarity 100.0%; Pred. No. 2,4e-07;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYVDALNVLMAMNIIS 16  
Db 13 RYVDALNVLMAMNIIS 28

RESULT 7

US-09-308-935-1  
; Sequence 1, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandara, Lasantha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308,935  
; EARLIER FILING DATE: 1999-05-27  
; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
; EARLIER FILING DATE: 1997-12-22  
; EARLIER APPLICATION NUMBER: GB 9626589.7  
; EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 37  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-1

Query Match 100.0%; Score 76; DB 2; Length 37;  
Best Local Similarity 100.0%; Pred. No. 3.4e-07;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYVDALNVLMAMNTIS 16  
Db 6 RYVDALNVLMAMNTIS 21

## RESULT 8

US-08-428-131-11  
Sequence 11, Application US/08428131  
Patent No. 5863757  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas Barrie  
TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Nixon & Vanderhye  
STREET: 1100 No. 5863757th Glebe Road, 8th Floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 72 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-428-131-11

Query Match 100.0%; Score 76; DB 1; Length 72;  
Best Local Similarity 100.0%; Pred. No. 7.7e-07;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYVDALNVLMAMNTIS 16  
Db 9 RYVDALNVLMAMNTIS 24

RESULT 9  
US-09-078-596-11  
Sequence 11, Application US/09078596  
Patent No. 6150116  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas Barrie  
TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Nixon & Vanderhye  
STREET: 1100 No. 6150116th Glebe Road, 8th Floor  
CITY: Arlington

STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/078,596  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 72 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-078-596-11

Query Match 100.0%; Score 76; DB 2; Length 72;  
Best Local Similarity 100.0%; Pred. No. 7.7e-07;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYVDALNVLMAMNTIS 16  
Db 9 RYVDALNVLMAMNTIS 24

RESULT 10  
US-08-894-139-10  
Sequence 10, Application US/08894139  
Patent No. 6448376  
GENERAL INFORMATION:  
APPLICANT: LA THANGUE, NICHOLAS B.  
APPLICANT: BERNARDS, RENE  
APPLICANT: HUMANS, ELEANORE M.  
TITLE OF INVENTION: TRANSCRIPTION FACTOR E2F-5  
NUMBER OF SEQUENCES: 25  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHAYE P.C.  
STREET: 1100 NORTH GLEBE ROAD  
CITY: ARLINGTON  
STATE: VIRGINIA  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/894,139  
FILING DATE: 13-AUG-1997  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: WILSON, MARY J.  
REGISTRATION NUMBER: 32,955  
REFERENCE/DOCKET NUMBER: 620-22  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100

```
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 74 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-894-139-10

Query Match          100.0%; Score 76; DB 2; Length 74;
Best Local Similarity 100.0%; Pred. NO. 8e-07;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDALNVLMAMNTIS 16
Db 48 RYDALNVLMAMNTIS 63

RESULT 11
US-09-949-016-9220
; Sequence 9220, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C0001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; S.J ID NO 9220
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-9220

Query Match          100.0%; Score 76; DB 2; Length 331;
Best Local Similarity 100.0%; Pred. NO. 4.9e-06;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDALNVLMAMNTIS 16
Db 153 RYDALNVLMAMNTIS 168

RESULT 12
US-08-723-415B-4
; Sequence 4, Application US/08723415B
; Patent No. 5859199
; GENERAL INFORMATION:
; APPLICANT: Latnangue, Nicholas B.
; APPLICANT: delaluna, Susana
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS
; THEREOF
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHAYE P.C.
; STREET: 1100 No. 5859199th Glebe Rd. 8th floor
; CITY: Arlington
; STATE: VA
; COUNTRY: USA
; ZIP: 22201-4741
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
```

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; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/723,415B
; FILING DATE: 30-SEP-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9610195.1
; FILING DATE: 15-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Crawford, Arthur R.
; REGISTRATION NUMBER: 25,327
; REFERENCE/DOCKET NUMBER: 117-220
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-816-4100
; TELEFAX: 703-816-4100
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 369 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-723-415B-4

Query Match          100.0%; Score 76; DB 1; Length 369;
Best Local Similarity 100.0%; Pred. NO. 5.6e-06;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDALNVLMAMNTIS 16
Db 106 RYDALNVLMAMNTIS 121

RESULT 13
US-09-189-627A-4
; Sequence 4, Application US/09189627A
; Patent No. 6159691
; GENERAL INFORMATION:
; APPLICANT: de la Luna, Susana
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
; FILE REFERENCE: 620-54
; CURRENT APPLICATION NUMBER: US/09/189,627A
; CURRENT FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: 08/723,415
; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: GB 9610195
; PRIOR FILING DATE: 1996-05-15
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SJO ID NO 4
; LENGTH: 369
; TYPE: PRT
; ORGANISM: mouse
US-09-189-627A-4

Query Match          100.0%; Score 76; DB 2; Length 369;
Best Local Similarity 100.0%; Pred. NO. 5.6e-06;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDALNVLMAMNTIS 16
Db 106 RYDALNVLMAMNTIS 121

RESULT 14
US-09-710-861-4
; Sequence 4, Application US/09710861
; Patent No. 6387649
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas
; APPLICANT: de la Luna, Susana
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
; FILE REFERENCE: 620-54
```

;; CURRENT APPLICATION NUMBER: US/09/710,861  
;; CURRENT FILING DATE: 2000-11-13  
;; PRIOR APPLICATION NUMBER: US/09/189,627  
;; PRIOR FILING DATE: 1998-11-10  
;; PRIOR APPLICATION NUMBER: 08/723,415  
;; PRIOR FILING DATE: 1996-09-30  
;; PRIOR APPLICATION NUMBER: GB 9610195  
;; PRIOR FILING DATE: 1996-05-15  
;; NUMBER OF SEQ ID NOS: 25  
;; SOFTWARE: Patentin Ver. 2.0  
;; SEQ ID NO 4  
;; LENGTH: 369  
;; TYPE: PRT  
;; ORGANISM: mouse  
US-09-710-861-4

Query Match 100.0%; Score 76; DB 2; Length 369;  
Best Local Similarity 100.0%; Pred. No. 5.6e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 RYDALNVTAMNIIIS 16  
Db 106 RYDALNVTAMNIIIS 121

RESULT 15  
US-08-723-415B-6  
;; Sequence 6, Application US/08723415B  
;; Patent No. 5859199  
;; GENERAL INFORMATION:  
;; APPLICANT: Lathague, Nicholas B.  
;; APPLICANT: delaluna, Susana  
;; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
;; TITLE OF INVENTION: THEREOF  
;; NUMBER OF SEQUENCES: 21  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: NIXON & VANDERHAYE P.C.  
;; STREET: 1100 No. 5859199th Glabe Rd. 8th floor  
;; CITY: Arlington  
;; STATE: VA  
;; COUNTRY: USA  
;; ZIP: 22201-4741  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: Patentin Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/723,415B  
;; FILING DATE: 30-SEP-1996  
;; CLASSIFICATION: 435  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: GB 9610195.1  
;; FILING DATE: 15-MAY-1996  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Crawford, Arthur R.  
;; REGISTRATION NUMBER: 25,327  
;; REFERENCE/DOCKET NUMBER: 117-220  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 703-816-4000  
;; TELEFAX: 703-816-4100  
;; INFORMATION FOR SEQ ID NO: 6:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 370 amino acids  
;; TYPE: amino acid  
;; TOPOLOGY: linear  
;; MOLECULAR TYPE: protein  
US-08-723-415B-6

Query Match 100.0%; Score 76; DB 1; Length 370;  
Best Local Similarity 100.0%; Pred. No. 5.6e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 RYDALNVTAMNIIIS 16  
Db 107 RYDALNVTAMNIIIS 122

RESULT 16  
US-09-189-627A-6  
;; Sequence 6, Application US/09189627A  
;; Patent No. 6159691  
;; GENERAL INFORMATION:  
;; APPLICANT: La Thangue, Nicholas  
;; APPLICANT: de la Luna, Susana  
;; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
;; FILE REFERENCE: 620-54  
;; CURRENT APPLICATION NUMBER: US/09/189,627A  
;; CURRENT FILING DATE: 1998-11-10  
;; PRIOR APPLICATION NUMBER: 08/723,415  
;; PRIOR FILING DATE: 1996-09-30  
;; PRIOR APPLICATION NUMBER: GB 9610195  
;; PRIOR FILING DATE: 1996-05-15  
;; NUMBER OF SEQ ID NOS: 25  
;; SOFTWARE: Patentin Ver. 2.0  
;; SEQ ID NO 6  
;; LENGTH: 370  
;; TYPE: PRT  
;; ORGANISM: mouse  
US-09-189-627A-6

Query Match 100.0%; Score 76; DB 2; Length 370;  
Best Local Similarity 100.0%; Pred. No. 5.6e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 RYDALNVTAMNIIIS 16  
Db 107 RYDALNVTAMNIIIS 122

RESULT 17  
US-09-710-861-6  
;; Sequence 6, Application US/09710861  
;; Patent No. 6387649  
;; GENERAL INFORMATION:  
;; APPLICANT: La Thangue, Nicholas  
;; APPLICANT: de la Luna, Susana  
;; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
;; FILE REFERENCE: 620-54  
;; CURRENT APPLICATION NUMBER: US/09/710,861  
;; CURRENT FILING DATE: 2000-11-13  
;; PRIOR APPLICATION NUMBER: US/09/189,627  
;; PRIOR FILING DATE: 1998-11-10  
;; PRIOR APPLICATION NUMBER: 08/723,415  
;; PRIOR FILING DATE: 1996-09-30  
;; PRIOR APPLICATION NUMBER: GB 9610195  
;; PRIOR FILING DATE: 1996-05-15  
;; NUMBER OF SEQ ID NOS: 25  
;; SOFTWARE: Patentin Ver. 2.0  
;; SEQ ID NO 6  
;; LENGTH: 370  
;; TYPE: PRT  
;; ORGANISM: mouse  
US-09-710-861-6

Query Match 100.0%; Score 76; DB 2; Length 370;  
Best Local Similarity 100.0%; Pred. No. 5.6e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 RYDALNVTAMNIIIS 16  
Db 107 RYDALNVTAMNIIIS 122

RESULT 18  
US-08-723-415B-8

Sequence 8, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: Lathangue, Nicholas B.  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHAYE P.C.  
STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 385 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-723-415B-8

Query Match 100.0%; Score 76; DB 1; Length 385;  
Best Local Similarity 100.0%; Pred. No. 5.9e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDALNVLMAMNTIS 16  
Db 122 RYDALNVLMAMNTIS 137

RESULT 19  
US-09-189-627A-8  
Sequence 8, Application US/09189627A  
Patent No. 6159691  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/189,627A  
CURRENT FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 8  
LENGTH: 385  
TYPE: PRT  
ORGANISM: mouse  
US-09-189-627A-8

Query Match 100.0%; Score 76; DB 2; Length 385;  
Best Local Similarity 100.0%; Pred. No. 5.9e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDALNVLMAMNTIS 16  
Db 122 RYDALNVLMAMNTIS 137

RESULT 20  
US-09-710-861-8  
Sequence 8, Application US/09710861  
Patent No. 6387649  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/710,861  
CURRENT FILING DATE: 2000-11-13  
PRIOR APPLICATION NUMBER: US/09/189,627  
PRIOR FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 8  
LENGTH: 385  
TYPE: PRT  
ORGANISM: mouse  
US-09-710-861-8

Query Match 100.0%; Score 76; DB 2; Length 385;  
Best Local Similarity 100.0%; Pred. No. 5.9e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDALNVLMAMNTIS 16  
Db 122 RYDALNVLMAMNTIS 137

RESULT 21  
US-08-723-415B-10  
Sequence 10, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: Lathangue, Nicholas B.  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHAYE P.C.  
STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996

ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-723-415B-10

Query Match 100.0%; Score 76; DB 1; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.3e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDVALNVLMAMNIIS 16  
Db 168 RYDVALNVLMAMNIIS 183

RESULT 22  
US-08-723-415B-11  
Sequence 11, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: LaThangue, Nicholas B.  
APPLICANT: delaluna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
TITLE OF INVENTION: THEREOF  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-723-415B-11

Query Match 100.0%; Score 76; DB 1; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.3e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDVALNVLMAMNIIS 16  
Db 168 RYDVALNVLMAMNIIS 183

RESULT 23  
US-08-428-131-2  
Sequence 2, Application US/08428131  
Patent No. 5863757  
GENERAL INFORMATION:  
APPLICANT: LaThangue, Nicholas Barrie  
TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Nixon & Vanderhye  
STREET: 1100 No. 5863757th Glebe Road, 8th floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-428-131-2

Query Match 100.0%; Score 76; DB 1; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.3e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDVALNVLMAMNIIS 16  
Db 168 RYDVALNVLMAMNIIS 183

RESULT 24  
US-08-602-846-2  
Sequence 2, Application US/08602846  
Patent No. 5871901  
GENERAL INFORMATION:  
APPLICANT: LaThangue, Nicholas B  
TITLE OF INVENTION: ASSAY FOR INHIBITORS OF DP-1 AND OTHER DP  
NUMBER OF SEQUENCES: 3  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Nixon & Vanderhye PC  
STREET: 8th floor, 1100 No. 5871901th Glebe Road  
CITY: Arlington  
STATE: Virginia  
COUNTRY: USA  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible



OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/602,846  
FILING DATE: 26-FEB-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: CRAWFORD, ARTHUR R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 620-12  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-602-846-2

Query Match 100.0%; Score 76; DB 1; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.3e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDALNVLMAMNIIIS 16  
Db 168 RYDALNVLMAMNIIIS 183

## RESULT 25

US-09-078-596-2  
Sequence 2, Application US/09078596  
Patent No. 6150116  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas Barrie  
TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Nixon & Vanderhye  
STREET: 1100 No. 6150116th Glebe Road, 8th Floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/078,596  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-078-596-2

Query Match 100.0%; Score 76; DB 2; Length 410;

Best Local Similarity 100.0%; Pred. No. 6.3e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDALNVLMAMNIIIS 16  
Db 168 RYDALNVLMAMNIIIS 183

## RESULT 26

US-09-189-627A-10  
Sequence 10, Application US/09189627A  
Patent No. 6159691  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOPORNS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/189,627A  
PRIOR FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 10  
LENGTH: 410  
TYPE: PRT  
ORGANISM: human  
US-09-189-627A-10

Query Match 100.0%; Score 76; DB 2; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.3e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDALNVLMAMNIIIS 16  
Db 168 RYDALNVLMAMNIIIS 183

## RESULT 27

US-09-189-627A-11  
Sequence 11, Application US/09189627A  
Patent No. 6159691  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOPORNS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/189,627A  
PRIOR FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 11  
LENGTH: 410  
TYPE: PRT  
ORGANISM: mouse  
US-09-189-627A-11

Query Match 100.0%; Score 76; DB 2; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.3e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDALNVLMAMNIIIS 16  
Db 168 RYDALNVLMAMNIIIS 183

## RESULT 28



Best Local Similarity 100.0%; Pred. No. 7e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDALNVTMMNIIIS 16  
Db 183 RYDALNVTMMNIIIS 198

## RESULT 32

US-09-189-627A-2

; Sequence 2, Application US/09189627A  
; Patent No. 6159691  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/189,627A  
; CURRENT FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 446  
; TYPE: PRT  
; ORGANISM: mouse  
US-09-189-627A-2

Query Match 100.0%; Score 76; DB 2; Length 446;  
Best Local Similarity 100.0%; Pred. No. 7e-06;

Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDALNVTMMNIIIS 16  
Db 183 RYDALNVTMMNIIIS 198

## RESULT 33

US-09-710-861-2

; Sequence 2, Application US/09710861  
; Patent No. 6387649  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/710,861  
; CURRENT FILING DATE: 2000-11-13  
; PRIOR APPLICATION NUMBER: US/09/189,627  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 446  
; TYPE: PRT  
; ORGANISM: mouse  
US-09-710-861-2

Query Match 100.0%; Score 76; DB 2; Length 446;  
Best Local Similarity 100.0%; Pred. No. 7e-06;

Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDALNVTMMNIIIS 16  
Db 183 RYDALNVTMMNIIIS 198

RESULT 34  
US-09-269-576G-3  
; Sequence 3, Application US/09269576G  
; Patent No. 6713449  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamasaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tamio  
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/09/269,576G  
; CURRENT FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 3  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-asparagine  
US-09-269-576G-3

Query Match 94.7%; Score 72; DB 2; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.3e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDALNVTMMNII 15  
Db 13 RYDALNVTMMNII 27

## RESULT 35

US-09-269-576G-21

; Sequence 21, Application US/09269576G  
; Patent No. 6713449  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamasaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tamio  
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/09/269,576G  
; CURRENT FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 21  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
; NAME/KEY: Modified-site  
; LOCATION: 1

```
/ OTHER INFORMATION: Xaa at position 1 representing N-lauyl-L-asparagine
/ FEATURE:
/ NAME/KEY: Modified-site
/ LOCATION: 28
/ OTHER INFORMATION: Xaa at position 28 representing L-serinamide
US-09-269-576G-21
```

```
Query Match          94.7%; Score 72; DB 2; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.3e-06;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 RYDALNVLMAMNII 15
Db      13 RYDALNVLMAMNII 27
```

## RESULT 36

```
US-09-640-211A-1157
/ Sequence 1157, Application US/09640211A
/ Patent No. 6833446
/ GENERAL INFORMATION:
/ APPLICANT: Wood, Marion
/ APPLICANT: Shenk, Michael A.
/ APPLICANT: McGrath, Annekte
/ TITLE OF INVENTION: Compositions and Methods for the
/ TITLE OF INVENTION: Modification of Gene Transcription
/ FILE REFERENCE: 11000.1021CIU
/ CURRENT APPLICATION NUMBER: US/09/640,211A
/ CURRENT FILING DATE: 2000-08-16
/ NUMBER OF SEQ ID NOS: 2368
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1157
/ LENGTH: 119
/ TYPE: PRT
/ ORGANISM: Pinus radiata
US-09-640-211A-1157
```

```
Query Match          93.4%; Score 71; DB 2; Length 119;
Best Local Similarity 93.8%; Pred. No. 1.2e-05;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 RYDALNVLMAMNII 16
Db      76 RYDALNVLMAMDIIS 91
```

## RESULT 37

```
US-09-640-211A-1056
/ Sequence 1056, Application US/09640211A
/ Patent No. 6833446
/ GENERAL INFORMATION:
/ APPLICANT: Wood, Marion
/ APPLICANT: Shenk, Michael A.
/ APPLICANT: McGrath, Annekte
/ APPLICANT: Glenn, Matthew
/ TITLE OF INVENTION: Compositions and Methods for the
/ TITLE OF INVENTION: Modification of Gene Transcription
/ FILE REFERENCE: 11000.1021CIU
/ CURRENT APPLICATION NUMBER: US/09/640,211A
/ CURRENT FILING DATE: 2000-08-16
/ NUMBER OF SEQ ID NOS: 2368
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1056
/ LENGTH: 120
/ TYPE: PRT
/ ORGANISM: Pinus radiata
US-09-640-211A-1056
```

```
Query Match          93.4%; Score 71; DB 2; Length 120;
Best Local Similarity 93.8%; Pred. No. 1.2e-05;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 RYDALNVLMAMNII 16
Db      75 RYDALNVLMAMDIIS 90
```

## RESULT 38

```
US-09-308-935-15
/ Sequence 15, Application US/09308935
/ Patent No. 6268334
/ GENERAL INFORMATION:
/ APPLICANT: La Thangue, Nicholas B
/ APPLICANT: Bandara, Lasantha R
/ TITLE OF INVENTION: Peptide antagonists of DP transcription factors
/ FILE REFERENCE: 620-67
/ CURRENT APPLICATION NUMBER: US/09/308,935
/ CURRENT FILING DATE: 1999-05-27
/ EARLIER APPLICATION NUMBER: PCT/GB97/03506
/ EARLIER FILING DATE: 1997-12-22
/ EARLIER APPLICATION NUMBER: GB 9626589.7
/ EARLIER FILING DATE: 1996-12-20
/ NUMBER OF SEQ ID NOS: 18
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 15
/ LENGTH: 19
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide
US-09-308-935-15
```

```
Query Match          89.5%; Score 68; DB 2; Length 19;
Best Local Similarity 87.5%; Pred. No. 4.6e-06;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy      1 RYDALNVLMAMNII 16
Db      3 RYDALNVLMAMNII 18
```

## RESULT 39

```
US-09-308-935-16
/ Sequence 16, Application US/09308935
/ Patent No. 6268334
/ GENERAL INFORMATION:
/ APPLICANT: La Thangue, Nicholas B
/ APPLICANT: Bandara, Lasantha R
/ TITLE OF INVENTION: Peptide antagonists of DP transcription factors
/ FILE REFERENCE: 620-67
/ CURRENT APPLICATION NUMBER: US/09/308,935
/ CURRENT FILING DATE: 1999-05-27
/ EARLIER APPLICATION NUMBER: PCT/GB97/03506
/ EARLIER FILING DATE: 1997-12-22
/ EARLIER APPLICATION NUMBER: GB 9626589.7
/ EARLIER FILING DATE: 1996-12-20
/ NUMBER OF SEQ ID NOS: 18
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 16
/ LENGTH: 19
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide
US-09-308-935-16
```

```
Query Match          89.5%; Score 68; DB 2; Length 19;
Best Local Similarity 93.8%; Pred. No. 4.6e-06;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Qy      1 RYDALNVLMAMNII 16
Db      3 RYDALNVLMAMNII 18
```

RESULT 40  
US-09-308-935-6  
; Sequence 6, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandara, Lasantha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308,935  
; CURRENT FILING DATE: 1999-05-27  
; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
; EARLIER FILING DATE: 1997-12-22  
; EARLIER APPLICATION NUMBER: GB 9626589.7  
; EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 6  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-6  
Query Match 88.2%; Score 67; DB 2; Length 30;  
Best Local Similarity 100.0%; Pred. No. 1.2e-05;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 3 RYDALNVLMMNNIIS 16  
Db 1 YDALNVLMMNNIIS 14

RESULT 41  
US-09-269-576G-26  
; Sequence 26, Application US/09269576G  
; Patent No. 6713449  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamaseaki, Moco  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tamio  
; TITLE OF INVENTION: B2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766-29  
; CURRENT APPLICATION NUMBER: US/09/269,576G  
; CURRENT FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 26  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1-10 and 26-29  
; OTHER INFORMATION: any one or all of amino acids 1-10 and 26-29 may be present or ab  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: Xaa at position 1 represents Asn, Thr, Ala or Tyr  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 2  
; OTHER INFORMATION: Xaa at position 2 represents Glu or Asp  
; FEATURE:  
; NAME/KEY: Modified-site

LOCATION: 3  
; OTHER INFORMATION: Xaa at position 3 represents Ser or Asn  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 5  
; OTHER INFORMATION: Xaa at position 5 represents Ala or Asn  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 6  
; OTHER INFORMATION: Xaa at position 6 represents Tyr or Cys  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 9  
; OTHER INFORMATION: Xaa at position 9 represents Lys or Glu  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 25  
; OTHER INFORMATION: Xaa at position 25 represents Met or Ile  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 27  
; OTHER INFORMATION: Xaa at position 27 represents Ile or Val  
US-09-269-576G-26  
Query Match 85.5%; Score 65; DB 2; Length 29;  
Best Local Similarity 87.5%; Pred. No. 2.8e-05;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
QY 1 RYDALNVLMMNNIIS 16  
Db 14 RYDALNVLMMNNIIS 29

RESULT 42  
US-09-308-935-11  
; Sequence 11, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandara, Lasantha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308,935  
; CURRENT FILING DATE: 1999-05-27  
; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
; EARLIER FILING DATE: 1997-12-22  
; EARLIER APPLICATION NUMBER: GB 9626589.7  
; EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 11  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-11  
Query Match 84.2%; Score 64; DB 2; Length 14;  
Best Local Similarity 100.0%; Pred. No. 1.8e-05;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 RYDALNVLMMNN 13  
Db 2 RYDALNVLMMNN 14

RESULT 43  
US-09-308-935-17  
; Sequence 17, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B

```
; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; EARLIER FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: WordPerfect 8
; SEQ ID NO 17
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide
US-09-308-935-17
```

```
Query Match      84.2%; Score 64; DB 2; Length 19;
Best Local Similarity 87.5%; Pred. No. 2.5e-05;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
OY      1 RYVDALNVLMAMNTIS 16
         |||||
Db       3 RYVDARNVVMAMNTIS 18
```

```
RESULT 44
US-09-269-576G-23
; Sequence 23, Application US/09269576G
; Patent No. 6713449
; GENERAL INFORMATION:
; APPLICANT: Shubata, Kenji
; APPLICANT: Yamasaki, Motoo
; APPLICANT: Yoshida, Tetsuo
; APPLICANT: Mizukami, Tamio
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound
; FILE REFERENCE: 766.29
; CURRENT APPLICATION NUMBER: US/09/269,576G
; CURRENT FILING DATE: 1999-03-30
; PRIOR APPLICATION NUMBER: PCT/JP97/03442
; PRIOR FILING DATE: 1997-09-26
; PRIOR APPLICATION NUMBER: JP 259432/1996
; PRIOR FILING DATE: 1996-09-30
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: WordPerfect 8
; SEQ ID NO 23
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-269-576G-23
```

```
Query Match      76.3%; Score 58; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.00025;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1 RYVDALNVLMAM 12
         |||||
Db       4 RYVDALNVLMAM 15
```

```
RESULT 45
US-09-269-576G-4
; Sequence 4, Application US/09269576G
; Patent No. 6713449
; GENERAL INFORMATION:
; APPLICANT: Shubata, Kenji
; APPLICANT: Yamasaki, Motoo
; APPLICANT: Yoshida, Tetsuo
; APPLICANT: Mizukami, Tamio
```

```
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound
; FILE REFERENCE: 766.29
; CURRENT APPLICATION NUMBER: US/09/269,576G
; CURRENT FILING DATE: 1999-03-30
; PRIOR APPLICATION NUMBER: PCT/JP97/03442
; PRIOR FILING DATE: 1997-09-26
; PRIOR APPLICATION NUMBER: JP 259432/1996
; PRIOR FILING DATE: 1996-09-30
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: WordPerfect 8
; SEQ ID NO 4
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-isoleucine
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 15
; OTHER INFORMATION: Xaa at position 15 representing L-methioninamide
US-09-269-576G-4
```

```
Query Match      69.7%; Score 53; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1 RYVDALNVLMAM 11
         |||||
Db       4 RYVDALNVLMAM 14
```

```
RESULT 46
US-09-308-935-4
; Sequence 4, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: Ia Thangue, Nicholas B
; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-4
```

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Query Match      60.5%; Score 46; DB 2; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.058;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      7 NVLMAMNTIS 16
         |||||
Db       1 NVLMAMNTIS 10
```

```
RESULT 47
US-09-308-935-9
; Sequence 9, Application US/09308935
; Patent No. 6268334
```

GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/308,935  
CURRENT FILING DATE: 1999-05-27  
EARLIER APPLICATION NUMBER: PCT/GB97/03506  
EARLIER FILING DATE: 1997-12-22  
EARLIER APPLICATION NUMBER: GB 9626589.7  
EARLIER FILING DATE: 1996-12-20  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 9  
LENGTH: 11  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-9

Query Match 57.9%; Score 44; DB 2; Length 11;  
Best Local Similarity 100.0%; Pred. No. 0.066;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDALNVL 9  
Db 3 RYDALNVL 11

RESULT 48  
US-09-308-935-2  
Sequence 2, Application US/09308935  
Patent No. 6268334  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/308,935  
CURRENT FILING DATE: 1999-05-27  
EARLIER APPLICATION NUMBER: PCT/GB97/03506  
EARLIER FILING DATE: 1997-12-22  
EARLIER APPLICATION NUMBER: GB 9626589.7  
EARLIER FILING DATE: 1996-12-20  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 2  
LENGTH: 9  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-2

Query Match 55.3%; Score 42; DB 2; Length 9;  
Best Local Similarity 100.0%; Pred. No. 4.6e+05;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 NVLMAMNII 15  
Db 1 NVLMAMNII 9

RESULT 49  
US-09-583-110-4963  
Sequence 4963, Application US/09583110  
Patent No. 6699703  
GENERAL INFORMATION:  
APPLICANT: Lynn Doucette-Stamm et al.  
TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus  
TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics  
FILE REFERENCE: PATH00-07A

CURRENT APPLICATION NUMBER: US/09/583,110  
CURRENT FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 09/107,433  
PRIOR FILING DATE: 1998-06-30  
PRIOR APPLICATION NUMBER: US 60/085,131  
PRIOR FILING DATE: 1998-05-12  
PRIOR APPLICATION NUMBER: US 60/051,553  
PRIOR FILING DATE: 1997-07-02  
NUMBER OF SEQ ID NOS: 5322  
SEQ ID NO 4963  
LENGTH: 74  
TYPE: PRT  
ORGANISM: Streptococcus pneumoniae  
US-09-583-110-4963

Query Match 52.6%; Score 40; DB 2; Length 74;  
Best Local Similarity 50.0%; Pred. No. 3.7;  
Matches 7; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 3 YDALNVLMAMNIIIS 16  
Db 47 FDSLVNVLIMIVIS 60

RESULT 50  
US-09-419-679-8  
Sequence 8, Application US/09419679  
Patent No. 6630617  
GENERAL INFORMATION:  
APPLICANT: Falco, S. Carl  
APPLICANT: Famodu, Omolayo O.  
APPLICANT: Hitz, William D.  
APPLICANT: Kinney, Anthony J.  
APPLICANT: Rafalski, Antoni  
APPLICANT: McGonigle, Brian  
APPLICANT: Lohman, Karin  
TITLE OF INVENTION: Enzymes Involved in Squalene Metabolism  
FILE REFERENCE: BB113 US NA  
CURRENT APPLICATION NUMBER: US/09/419,679  
CURRENT FILING DATE: 1999-10-15  
EARLIER APPLICATION NUMBER: 60/105,405  
EARLIER FILING DATE: 1998-10-23  
NUMBER OF SEQ ID NOS: 16  
SOFTWARE: Microsoft Office 97  
SEQ ID NO 8  
LENGTH: 345  
TYPE: PRT  
ORGANISM: Trifolium aestivum  
US-09-419-679-8

Query Match 52.0%; Score 39.5; DB 2; Length 345;  
Best Local Similarity 64.3%; Pred. No. 29;  
Matches 9; Conservative 3; Mismatches 1; Indels 1; Gaps 1;

QY 1 RYDALNVLMAMNII 13  
Db 97 RYDALNVLMAMNII 110

Search completed: March 17, 2006, 20:54:44  
Job time : 34.9091 secs

**This Page Blank (uspto)**



GenCore version 5.1.7  
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OM protein - protein search, using sw model1

Run on: March 17, 2006, 20:46:22 ; Search time 64.8276 Seconds  
(without alignments)  
128.905 Million cell updates/sec

Title: US-09-900-147-4  
Perfect score: 101  
Sequence: 1 NVLMAMNIISKEKEIKWIG 20

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_AA\_Main:  
1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*  
2: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*  
3: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep:\*  
4: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep:\*  
6: /cgn2\_6/ptodata/1/pubpaa/US11\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	101	100.0	20	3	US-09-900-147-4
2	101	100.0	30	3	US-09-900-147-6
3	101	100.0	37	3	US-09-900-147-1
4	101	100.0	74	4	US-10-214-188-10
5	101	100.0	149	5	US-10-450-763-35869
6	101	100.0	355	4	US-10-106-698-4846
7	101	100.0	424	5	US-10-450-763-58416
8	94	93.1	405	4	US-10-345-837-24
9	94	93.1	405	4	US-10-345-837-24
10	90	89.1	445	6	US-11-097-143-9348
11	86	85.1	119	5	US-10-856-499-1157
12	86	85.1	185	5	US-10-450-763-35867
13	84	83.2	575	3	US-09-220-091-7
14	82	81.2	120	5	US-10-856-499-1056
15	82	81.2	207	4	US-10-425-114-71403
16	82	81.2	222	4	US-10-425-114-36974
17	82	81.2	301	4	US-10-425-115-272014
18	82	81.2	314	4	US-10-424-599-185947
19	82	81.2	318	4	US-10-437-963-166158
20	82	81.2	320	4	US-10-424-599-186648
21	82	81.2	385	5	US-10-739-930-6734
22	81	80.2	263	4	US-10-437-963-167076
23	81	80.2	336	4	US-10-425-114-46555
24	81	80.2	341	4	US-10-425-115-18696
25	77	76.2	369	4	US-10-437-963-136371
26	74	73.3	250	4	US-10-425-115-188778
27	70	69.3	292	5	US-10-489-500-4

28	53	52.5	165	4	US-10-424-599-234773	Sequence 234773, Appl1
29	51	50.5	19	3	US-09-900-147-3	Sequence 3, Appl1
30	51	50.5	19	3	US-09-900-147-16	Sequence 16, Appl1
31	50	49.5	15	3	US-09-900-147-10	Sequence 10, Appl1
32	50	49.5	29	3	US-09-764-877-1380	Sequence 1380, Ap
33	50	49.5	29	3	US-10-242-515-1380	Sequence 1380, Ap
34	50	49.5	323	5	US-10-732-923-3274	Sequence 3274, Ap
35	50	49.5	379	5	US-10-732-923-3273	Sequence 3273, Ap
36	50	49.5	403	5	US-10-732-923-3272	Sequence 3272, Ap
37	48.5	48.0	198	5	US-10-732-923-3386	Sequence 3386, Ap
38	48	47.5	1328	4	US-10-369-493-22025	Sequence 22025, A
39	47.5	47.0	287	5	US-10-732-923-3422	Sequence 3422, Ap
40	47.5	47.0	412	5	US-10-732-923-3424	Sequence 3424, Ap
41	47.5	47.0	470	5	US-10-732-923-3423	Sequence 3423, Ap
42	47	46.5	19	3	US-09-900-147-15	Sequence 15, Appl
43	47	46.5	346	4	US-10-310-154-448	Sequence 448, App
44	47	46.5	381	4	US-10-425-114-40179	Sequence 40179, A
45	47	46.5	402	5	US-10-732-923-534	Sequence 534, App

## ALIGNMENTS

```
RESULT 1
US-09-900-147-4
; Sequence 4, Application US/09900147
; Patent No. US20020103121A1
; GENERAL INFORMATION:
; APPLICANT: La Tangue, Nicholas B
; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/900,147
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 4
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-4
Query Match 100.0%; Score 101; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 NVLMAMNIISKEKEIKWIG 20
Db 1 NVLMAMNIISKEKEIKWIG 20
RESULT 2
US-09-900-147-6
; Sequence 6, Application US/09900147
; Patent No. US20020103121A1
; GENERAL INFORMATION:
; APPLICANT: La Tangue, Nicholas B
; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/900,147
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-6

Query Match      100.0%; Score 101; DB 3; Length 30;
Best Local Similarity 100.0%; Pred. No. 4.4e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMMNNISKEKEIKWIG 20
        |||
        5 NVLMMNNISKEKEIKWIG 24

Db

RESULT 3
US-09-900-147-1
; Sequence 1, Application US/09900147
; Patent No. US20020103121A1
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/900,147
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-1

Query Match      100.0%; Score 101; DB 3; Length 37;
Best Local Similarity 100.0%; Pred. No. 5.4e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMMNNISKEKEIKWIG 20
        |||
        12 NVLMMNNISKEKEIKWIG 31

Db

RESULT 4
US-10-214-188-10
; Sequence 10, Application US/10214188
; Publication No. US20030022260A1
; GENERAL INFORMATION:
; APPLICANT: LA THANGUE, NICHOLAS B.
; APPLICANT: BERNARDS, RENEE
; APPLICANT: HIGMANS, ELEANORE M.
; TITLE OF INVENTION: TRANSCRIPTION FACTOR E2F-5
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHAYE P.C.
; STREET: 1100 NORTH GLOBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/214,188
; FILING DATE: 08-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/894,139
; FILING DATE: 13-AUG-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 620-22
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 74 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-10-214-188-10

Query Match      100.0%; Score 101; DB 4; Length 74;
Best Local Similarity 100.0%; Pred. No. 1.1e-07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMMNNISKEKEIKWIG 20
        |||
        54 NVLMMNNISKEKEIKWIG 73

Db

RESULT 5
US-10-450-763-35869
; Sequence 35869, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; PRIOR FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 35869
; LENGTH: 149
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-35869

Query Match      100.0%; Score 101; DB 5; Length 149;
Best Local Similarity 100.0%; Pred. No. 2.3e-07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMMNNISKEKEIKWIG 20
        |||
        33 NVLMMNNISKEKEIKWIG 52

Db

RESULT 6
US-10-106-698-4846
; Sequence 4846, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
```

```

; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005PI
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 4846
; LENGTH: 355
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (342)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (348)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (351)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (352)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-4846
```

```

Query Match          100.0%; Score 101; DB 4; Length 355;
Best Local Similarity 100.0%; Pred. No. 5.7e-07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

Qy      1 NVLMAMNIISSKKKKIKWIG 20
      |||||
Db      180 NVLMAMNIISSKKKKIKWIG 199
```

```

RESULT 7
US-10-450-763-58416
; Sequence 58416, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 58416
; LENGTH: 424
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-58416
```

```

Query Match          100.0%; Score 101; DB 5; Length 424;
Best Local Similarity 100.0%; Pred. No. 6.8e-07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

Qy      1 NVLMAMNIISSKKKKIKWIG 20
      |||||
Db      167 NVLMAMNIISSKKKKIKWIG 186
```

```

RESULT 8
US-10-053-248-24
; Sequence 248, Application US/10053248
; Publication No. US20030144188A1
; GENERAL INFORMATION:
; APPLICANT: Lin, Biaoyang
; TITLE OF INVENTION: Androgen Regulated Nucleic Acid
; FILE REFERENCE: P-1S 4814
; CURRENT APPLICATION NUMBER: US/10/053,248
; CURRENT FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-053-248-24
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```

Query Match          93.1%; Score 94; DB 4; Length 405;
Best Local Similarity 90.0%; Pred. No. 7.6e-06;
Matches 18; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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```

Qy      1 NVLMAMNIISSKKKKIKWIG 20
      |||||
Db      169 NVLMAMNIISSKKKKIKWIG 188
```

```

RESULT 9
US-10-345-837-24
; Sequence 24, Application US/10345837
; Publication No. US20040137440A1
; GENERAL INFORMATION:
; APPLICANT: Lin, Biaoyang
; TITLE OF INVENTION: Androgen Regulated Nucleic Acid
; FILE REFERENCE: P-1S 5589
; CURRENT APPLICATION NUMBER: US/10/345,837
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 10/053,248
; PRIOR FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-345-837-24
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```

Query Match          93.1%; Score 94; DB 4; Length 405;
Best Local Similarity 90.0%; Pred. No. 7.6e-06;
Matches 18; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```

Qy      1 NVLMAMNIISSKKKKIKWIG 20
      |||||
Db      169 NVLMAMNIISSKKKKIKWIG 188
```

```

RESULT 10
US-11-097-143-9348
; Sequence 9348, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; FILE REFERENCE: C1000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
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; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9348
; LENGTH: 445
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-9348
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Query Match      89.1%; Score 90; DB 6; Length 445;
Best Local Similarity 80.0%; Pred. No. 3.4e-05;
Matches 16; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 NVLMAMNITSKEKEIKWIG 20
Db      224 NVLMAMNITSKEKEIKWIG 243
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RESULT 11
US-10-856-499-1157
; Sequence 1157, Application US/10856499
; Publication No. US20040259145A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Marion
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; FILE REFERENCE: 11000.1021C2
; CURRENT APPLICATION NUMBER: US/10/856,499
; CURRENT FILING DATE: 2004-05-28
; NUMBER OF SEQ ID NOS: 2370
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1157
; LENGTH: 119
; TYPE: PRT
; ORGANISM: Pinus radiata
US-10-856-499-1157
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Query Match      85.1%; Score 86; DB 5; Length 119;
Best Local Similarity 85.0%; Pred. No. 3.5e-05;
Matches 17; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
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Qy      1 NVLMAMNITSKEKEIKWIG 20
Db      82 NVLMAMNITSKEKEIKWIG 101
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```

RESULT 12
US-10-450-763-35867
; Sequence 35867, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: HySeq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: ECT/US01/08631
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; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 35867
; LENGTH: 185
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-35867
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Query Match      85.1%; Score 86; DB 5; Length 185;
Best Local Similarity 85.0%; Pred. No. 5.5e-05;
Matches 17; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
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Qy      1 NVLMAMNITSKEKEIKWIG 20
Db      160 NVLMAMNITSKEKEIKWIG 179
```

```

RESULT 13
US-09-220-091-7
; Sequence 7, Application US/09220091
; Patent No. US20020064523A1
; GENERAL INFORMATION:
; APPLICANT: H. Robert Horvitz
; APPLICANT: Craig Ceol
; APPLICANT: Xiaowei Lu
; TITLE OF INVENTION: A TUMOR SUPPRESSOR PATHWAY IN C. ELEGANS
; FILE REFERENCE: 01997/202003
; CURRENT APPLICATION NUMBER: US/09/220,091
; CURRENT FILING DATE: 1998-12-23
; EARLIER APPLICATION NUMBER: 60/047,996
; EARLIER FILING DATE: 1997-05-28
; EARLIER APPLICATION NUMBER: 09/087,136
; EARLIER FILING DATE: 1998-05-28
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 575
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-220-091-7
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Query Match      83.2%; Score 84; DB 3; Length 575;
Best Local Similarity 75.0%; Pred. No. 0.00036;
Matches 15; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
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Qy      1 NVLMAMNITSKEKEIKWIG 20
Db      110 NVLMAMNITSKEKEIKWIG 129
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RESULT 14
US-10-856-499-1056
; Sequence 1056, Application US/10856499
; Publication No. US20040259145A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Marion
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; FILE REFERENCE: 11000.1021C2
; CURRENT APPLICATION NUMBER: US/10/856,499
; CURRENT FILING DATE: 2004-05-28
; NUMBER OF SEQ ID NOS: 2370
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 120
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TYPE: PRT  
ORGANISM: Pinus radiata  
US-10-856-439-1056

Query Match  
Best Local Similarity 81.2%; Score 82; DB 5; Length 120;  
Matches 16; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMAMNIIISKEKEIKWIG 20  
DB 81 NVLMAMDIISKDKKEIQWKG 100

RESULT 15  
US-10-425-114-71403

Sequence 71403, Application US/10425114  
Publication No. US20040034888A1

GENERAL INFORMATION:

APPLICANT: Liu, Jingdong

APPLICANT: Zhou, Yihua

APPLICANT: Kovalic, David K.

APPLICANT: Screen, Steven B

APPLICANT: Tabaska, Jack B

APPLICANT: Cao, Yongwei

TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

FILE REFERENCE: 38-21(5333)B

CURRENT APPLICATION NUMBER: US/10/425,114

CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 73128

SEQ ID NO 71403

LENGTH: 207

TYPE: PRT

ORGANISM: Zea mays subsp. mexicana

FEATURE:

OTHER INFORMATION: Clone ID: UC-ZMROTEOSINTET119B07\_FLI.pep

US-10-425-114-71403

Query Match  
Best Local Similarity 81.2%; Score 82; DB 4; Length 207;

Matches 16; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMAMNIIISKEKEIKWIG 20  
DB 17 NVLMAMDIISKDKKEIQWKG 36

Search completed: March 17, 2006, 20:52:10  
Job time : 64.8276 secs

**This Page Blank (uspto)**

GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using SW model

Run on: March 17, 2006, 20:27:26 ; Search time 13.3333 Seconds  
(without alignments)  
124.014 Million cell updates/sec

Title: US-09-900-147-4

Perfect score: 101  
Sequence: 1 NVLMAMNISKKEIKWIG 20

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

Issued Patents\_AA:\*  
1: /cgn2\_6/ptodata/1/1aa/5-COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/6-COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/6-COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/6-COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/6-COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/6-COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	101	100.0	20	US-09-308-935-4	Sequence 4, Appl 1
2	101	100.0	30	US-09-308-935-6	Sequence 6, Appl 1
3	101	100.0	37	US-09-308-935-1	Sequence 1, Appl 1
4	101	100.0	72	US-08-428-131-11	Sequence 11, Appl 1
5	101	100.0	72	US-09-078-596-11	Sequence 11, Appl 1
6	101	100.0	74	US-08-894-139-10	Sequence 10, Appl 1
7	101	100.0	331	US-09-949-016-9220	Sequence 9220, Ap
8	101	100.0	369	US-08-723-415B-4	Sequence 4, Appl 1
9	101	100.0	369	US-09-189-627A-4	Sequence 4, Appl 1
10	101	100.0	370	US-09-710-861-4	Sequence 4, Appl 1
11	101	100.0	370	US-08-723-415B-6	Sequence 6, Appl 1
12	101	100.0	370	US-09-189-627A-6	Sequence 6, Appl 1
13	101	100.0	370	US-09-710-861-6	Sequence 6, Appl 1
14	101	100.0	385	US-08-723-415B-8	Sequence 8, Appl 1
15	101	100.0	385	US-09-189-627A-8	Sequence 8, Appl 1
16	101	100.0	385	US-09-710-861-8	Sequence 8, Appl 1
17	101	100.0	410	US-08-723-415B-10	Sequence 10, Appl 1
18	101	100.0	410	US-08-723-415B-11	Sequence 11, Appl 1
19	101	100.0	410	US-08-428-131-2	Sequence 2, Appl 1
20	101	100.0	410	US-08-602-846-2	Sequence 2, Appl 1
21	101	100.0	410	US-09-078-596-2	Sequence 2, Appl 1
22	101	100.0	410	US-09-189-627A-10	Sequence 10, Appl 1
23	101	100.0	410	US-09-189-627A-11	Sequence 11, Appl 1
24	101	100.0	410	US-09-710-861-10	Sequence 10, Appl 1
25	101	100.0	410	US-09-710-861-11	Sequence 11, Appl 1
26	101	100.0	415	US-09-949-016-8808	Sequence 8808, Ap
27	101	100.0	446	US-08-723-415B-2	Sequence 2, Appl 1

28	101	100.0	446	2	US-09-189-627A-2	Sequence 2, Appl 1
29	101	100.0	446	2	US-09-710-861-2	Sequence 2, Appl 1
30	86	85.1	119	2	US-09-640-211A-1157	Sequence 1157, Ap
31	82	81.2	120	2	US-09-640-211A-1056	Sequence 1056, Ap
32	51	50.5	19	2	US-09-308-935-3	Sequence 3, Appl 1
33	51	50.5	19	2	US-09-308-935-16	Sequence 16, Appl 1
34	50	49.5	15	2	US-09-308-935-10	Sequence 10, Appl 1
35	47	46.5	19	2	US-09-308-935-15	Sequence 15, Appl 1
36	47	46.5	936	2	US-09-248-796A-14843	Sequence 14843, A
37	46	45.5	16	2	US-09-308-935-5	Sequence 5, Appl 1
38	46	45.5	17	1	US-08-428-131-13	Sequence 13, Appl 1
39	46	45.5	17	2	US-09-078-596-13	Sequence 13, Appl 1
40	46	45.5	28	2	US-09-269-576G-22	Sequence 22, Appl 1
41	46	45.5	28	2	US-09-269-576G-24	Sequence 24, Appl 1
42	45.5	45.0	74	2	US-08-894-139-6	Sequence 6, Appl 1
43	45.5	45.0	189	2	US-09-949-016-7562	Sequence 7562, Ap
44	45	44.6	19	2	US-09-308-935-17	Sequence 17, Appl 1
45	45	44.6	502	2	US-09-198-452A-747	Sequence 747, App

#### ALIGNMENTS

```

RESULT 1
US-09-308-935-4
; Sequence 4, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: US/09/308, 935
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 4
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-4
Query Match          100.0%; Score 101; DB 2; Length 20;
Best Local Similarity 100.0%; Pred. No. 36-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMAMNISKKEIKWIG 20
Db      1 NVLMAMNISKKEIKWIG 20

RESULT 2
US-09-308-935-6
; Sequence 6, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: US/09/308, 935
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18

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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-6

Query Match          100.0%; Score 101; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 4.6e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMAMNIISKEKEIKWIG 20
        |||
        5 NVLMAMNIISKEKEIKWIG 24
        |||

RESULT 3
US-09-308-935-1
; Sequence 1, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: Bandara, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; EARLIER FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-1

Query Match          100.0%; Score 101; DB 2; Length 37;
Best Local Similarity 100.0%; Pred. No. 5.8e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMAMNIISKEKEIKWIG 20
        |||
        12 NVLMAMNIISKEKEIKWIG 31
        |||

RESULT 4
US-08-428-131-11
; Sequence 11, Application US/08428131
; Patent No. 5863757
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas Barrie
; TITLE OF INVENTION: Transcription Factor DP-1
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon & Vanderhye
; STREET: 1100 No. 5863757th Glebe Road, 8th Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (BPO)
; CURRENT APPLICATION DATA:
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; APPLICATION NUMBER: US/08/428,131
; FILING DATE: 23-JUN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Arthur R. Crawford
; REGISTRATION NUMBER: 25,327
; REFERENCE/DOCKET NUMBER: 117-181
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4100
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 72 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-428-131-11

Query Match          100.0%; Score 101; DB 1; Length 72;
Best Local Similarity 100.0%; Pred. No. 1.2e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMAMNIISKEKEIKWIG 20
        |||
        15 NVLMAMNIISKEKEIKWIG 34
        |||

RESULT 5
US-09-078-596-11
; Sequence 11, Application US/09078596
; Patent No. 6150116
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas Barrie
; TITLE OF INVENTION: Transcription Factor DP-1
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon & Vanderhye
; STREET: 1100 No. 6150116th Glebe Road, 8th Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (BPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/078,596
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/428,131
; FILING DATE: 23-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Arthur R. Crawford
; REGISTRATION NUMBER: 25,327
; REFERENCE/DOCKET NUMBER: 117-181
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4100
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 72 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-078-596-11

Query Match          100.0%; Score 101; DB 2; Length 72;
Best Local Similarity 100.0%; Pred. No. 1.2e-08;
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Matches	20; Conservative	0; Mismatches	0; Indels	0; Gaps
Qy	1 NVTLMAMNIIISKEKEIKWIG 20 			
Db	15 NVTLMAMNIIISKEKEIKWIG 34			

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1      RESULT 6      US-08-894-139-10
2      US-08-894-139-10
3      Sequence 10, Application US/08894139
4      Patent No. 6448376
5      GENERAL INFORMATION:
6      APPLICANT: LA THANGUE, NICHOLAS B.
7      APPLICANT: BERNARDS, RENE
8      APPLICANT: HUMANS, ELEANORE M.
9      TITLE OF INVENTION: TRANSCRIPTION FACTOR E2F-5
10     NUMBER OF SEQUENCES: 25
11     CORRESPONDENCE ADDRESS:
12     ADDRESSEE: NIXON & VANDERHAYE P. C.
13     STREET: 1100 NORTH GLEBE ROAD
14     CITY: ARLINGTON
15     STATE: VIRGINIA
16     COUNTRY: U.S.A.
17     ZIP: 22201-4714
18     COMPUTER READABLE FORM:
19     MEDIUM TYPE: Floppy disk
20     COMPUTER: IBM PC compatible
21     OPERATING SYSTEM: PC-DOS/MS-DOS
22     SOFTWARE: Patentin Release #1.0, Version #1.30
23     CURRENT APPLICATION DATA:
24     APPLICATION NUMBER: US/08/894,139
25     FILING DATE: 13-AUG-1997
26     CLASSIFICATION: 536
27     ATTORNEY/AGENT INFORMATION:
28     NAME: WILSON, MARY J.
29     REGISTRATION NUMBER: 32,955
30     REFERENCE/DOCKET NUMBER: 620-22
31     TELECOMMUNICATION INFORMATION:
32     TELEPHONE: (703) 816-4000
33     TELEFAX: (703) 816-4100
34     INFORMATION FOR SEQ ID NO: 10:
35     SEQUENCE CHARACTERISTICS:
36     LENGTH: 74 amino acids
37     TYPE: amino acid
38     STRANDEDNESS:
39     TOPOLOGY: linear
40     MOLECULE TYPE: peptide
41     US-08-894-139-10

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Query Match          100.0%; Score 101; DB 2; Length 74;
Best Local Similarity 100.0%; Pred. No. 1, 2e-08;
Matches      20; Conservative    0; Mismatches    0; Indels    0; Gaps    0;

QY              1 NVLMAMNTISKEKIKWIG 20
                |||||
Db               54 NVLMAMNTISKEKIKWIG 73

RESULT 7
US-09-949-016-9220
; Sequence 9220, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01107
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03

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: PRIOR APPLICATION NUMBER: 60/231,496
: PRIOR FILING DATE: 2000-09-08
: NUMBER OF SEQ ID NOS: 207012
: SOFTWARE: FASTSEQ For Windows Version 4.0
: SEQ ID NO. 9220
: LENGTH: 331
: TYPE: PRT
: ORGANISM: Human
: OS-09-949-016-5220

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	Query Match	100.0%;	Score 101;	DB 2;	Length 331;
	Best Local Similarity	100.0%;	Pred. No. 6,	4e-08;	
Matches	20;	Conservative	0;	Mismatches	0;
				Indels	0;
Gy	1 NVTMANNITSEKKEIKWIG	20			
Dd	159 NVTMANNITSEKKEIKWIG	178			

RESULT 8  
 US-08-723-415B-4  
 Sequence 4, Application US/08723415B  
 Patent No. 5859199  
 GENERAL INFORMATION:  
 APPLICANT: Lathangue, Nicholas B.  
 APPLICANT: delaluna, Susana  
 TITLE OF INVENTION: TRANSCRIPTION FACTOR DB-3 AND ISOFORMS  
 TITLE OF INVENTION: THERBOF  
 NUMBER OF SEQUENCES: 21  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: NIXON & VANDERHAYE P.C.  
 STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
 CITY: Arlington  
 STATE: VA  
 COUNTRY: USA  
 ZIP: 22201-4741  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/723,415B  
 FILING DATE: 30-SEP-1996  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: GB 9610195.1  
 FILING DATE: 15-MAY-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Crawford, Arthur R.  
 REGISTRATION NUMBER: 25,327  
 REFERENCE/DOCKET NUMBER: 117-220  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 703-816-4000  
 TELEFAX: 703-816-4100  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 369 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-723-415B-4

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Query Match          100.0%; Score 101; DB 1; Length 369;  
Best Local Similarity 100.0%; Pred. NO.7.3e-08;  
Matches    20; Conservative   0; Mismatches     0; Indels      0; Gaps       0.  
  
Qy           1 NVLMANNIISKKEIKWIG 20  
              |||||  
Db            112 NVLMANNIISKKEIKWIG 131
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RESULT 9

```
US-09-189-627A-4
; Sequence 4, Application US/09189627A
; Patent No. 6159691
; GENERAL INFORMATION:
; APPLICANT: de la Luna, Susana
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
; FILE REFERENCE: 620-54
; CURRENT APPLICATION NUMBER: US/09/189,627A
; CURRENT FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: 08/723,415
; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: GB 9610195
; PRIOR FILING DATE: 1996-05-15
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 4
; TYPE: PRT
; ORGANISM: mouse
US-09-189-627A-4
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QY      1 NVLMAMNIISSKEKEIKWIG 20
DB      112 NVLMAMNIISSKEKEIKWIG 131

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US-09-710-861-4
; Sequence 4, Application US/09710861
; Patent No. 6387649
; GENERAL INFORMATION:
; APPLICANT: de la Luna, Susana
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
; FILE REFERENCE: 620-54
; CURRENT APPLICATION NUMBER: US/09/710,861
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US/09/189,627
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: 08/723,415
; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: GB 9610195
; PRIOR FILING DATE: 1996-05-15
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentin Ver. 2.0
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; LENGTH: 369
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; ORGANISM: mouse
US-09-710-861-4
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Best Local Similarity 100.0%; Pred. No. 7.3e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMAMNIISSKEKEIKWIG 20
DB      112 NVLMAMNIISSKEKEIKWIG 131

RESULT 11
US-08-723-415B-6
; Sequence 6, Application US/08723415B
; Patent No. 5859199
; GENERAL INFORMATION:
; APPLICANT: LaThangue, Nicholas B.
; APPLICANT: delaluna, Susana
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS
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; TITLE OF INVENTION: THEREOF
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHAYE P.C.
; STREET: 1100 No. 5859199th Glebe Rd. 8th floor
; CITY: Arlington
; STATE: VA
; COUNTRY: USA
; ZIP: 22201-4741
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/723,415B
; FILING DATE: 30-SEP-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9610195.1
; FILING DATE: 15-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Crawford, Arthur R.
; REGISTRATION NUMBER: 25,327
; REFERENCE/DOCKET NUMBER: 117-220
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-816-4000
; TELEFAX: 703-816-4100
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 370 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-723-415B-6
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Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; Sequence 6, Application US/09189627A
; Patent No. 6159691
; GENERAL INFORMATION:
; APPLICANT: de la Luna, Susana
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
; FILE REFERENCE: 620-54
; CURRENT APPLICATION NUMBER: US/09/189,627A
; CURRENT FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: 08/723,415
; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: GB 9610195
; PRIOR FILING DATE: 1996-05-15
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 6
; LENGTH: 370
; TYPE: PRT
; ORGANISM: mouse
US-09-189-627A-6
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Best Local Similarity 100.0%; Pred. No. 7.3e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMAMNIISSKEKEIKWIG 20
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Db 113 NVLMAMNIISSKEKEIKWIG 132

RESULT 13

US-09-710-861-6

Sequence 6, Application US/09710861

Patent No. 6387649

GENERAL INFORMATION:

APPLICANT: La Thangue, Nicholas

APPLICANT: de la Luna, Susana

TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF

FILE REFERENCE: 620-54

CURRENT APPLICATION NUMBER: US/09/710,861

CURRENT FILING DATE: 2000-11-13

PRIOR APPLICATION NUMBER: US/09/189,627

PRIOR FILING DATE: 1998-11-10

PRIOR APPLICATION NUMBER: 08/723,415

PRIOR FILING DATE: 1996-09-30

PRIOR APPLICATION NUMBER: GB 9610195

PRIOR FILING DATE: 1996-05-15

NUMBER OF SEQ ID NOS: 25

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 6

LENGTH: 370

TYPE: PRT

ORGANISM: mouse

US-09-710-861-6

Query Match 100.0%; Score 101; DB 2; Length 370;

Best Local Similarity 100.0%; Pred. No. 7.3e-08;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NVLMAMNIISSKEKEIKWIG 20

Db 113 NVLMAMNIISSKEKEIKWIG 132

RESULT 14

US-08-723-415B-8

Sequence 8, Application US/08723415B

Patent No. 5859199

GENERAL INFORMATION:

APPLICANT: Lathanque, Nicholas B.

APPLICANT: delaluna, Susana

TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF

TITLE OF INVENTION: THEREOF

NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESS:

ADDRESSER: NIXON & VANDERHYTE P.C.

STREET: 1100 No. 5859199th Glebe Rd. 8th floor

CITY: Arlington

STATE: VA

COUNTRY: USA

ZIP: 22201-4741

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/723,415B

FILING DATE: 30-SEP-1996

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9610195.1

FILING DATE: 15-MAY-1996

ATTORNEY/AGENT INFORMATION:

NAME: Crawford, Arthur R.

REGISTRATION NUMBER: 25,327

REFERENCE/DOCKET NUMBER: 117-220

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703-816-4000

TELEFAX: 703-816-4100

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 385 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-723-415B-8

Query Match 100.0%; Score 101; DB 1; Length 385;

Best Local Similarity 100.0%; Pred. No. 7.6e-08;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NVLMAMNIISSKEKEIKWIG 20

Db 128 NVLMAMNIISSKEKEIKWIG 147

RESULT 15

US-09-189-627A-8

Sequence 8, Application US/09189627A

Patent No. 6159691

GENERAL INFORMATION:

APPLICANT: La Thangue, Nicholas

APPLICANT: de la Luna, Susana

TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF

FILE REFERENCE: 620-54

CURRENT APPLICATION NUMBER: US/09/189,627A

CURRENT FILING DATE: 1998-11-10

PRIOR APPLICATION NUMBER: 08/723,415

PRIOR FILING DATE: 1996-09-30

PRIOR APPLICATION NUMBER: GB 9610195

PRIOR FILING DATE: 1996-05-15

NUMBER OF SEQ ID NOS: 25

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 8

LENGTH: 385

TYPE: PRT

ORGANISM: mouse

US-09-189-627A-8

Query Match 100.0%; Score 101; DB 2; Length 385;

Best Local Similarity 100.0%; Pred. No. 7.6e-08;

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Qy 1 NVLMAMNIISSKEKEIKWIG 20

Db 128 NVLMAMNIISSKEKEIKWIG 147

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## SUMMARIES

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132	34	37.4	517	6	US-10-934-944-230	Sequence 230, App	205	32.5	35.7	233	7	US-11-096-568A-14608	Sequence 14608, A
133	34	37.4	517	7	US-11-116-881A-239	Sequence 239, App	206	32.5	35.7	283	7	US-11-186-284-99	Sequence 99, Appl
134	34	37.4	517	7	US-11-207-078-606	Sequence 606, App	207	32.5	35.7	305	7	US-11-087-099-5438	Sequence 5438, Ap
135	34	37.4	530	7	US-11-207-078-603	Sequence 603, App	208	32.5	35.7	758	6	US-10-485-517-144	Sequence 144, App
136	34	37.4	538	7	US-11-207-078-602	Sequence 602, App	209	32.5	35.7	879	6	US-10-958-743-10	Sequence 10, Appl
137	34	37.4	564	7	US-11-096-568A-28361	Sequence 28361, A	210	32.5	35.7	3353	7	US-11-037-230-64	Sequence 64, Appl
138	34	37.4	571	7	US-11-087-099-7090	Sequence 7090, A	211	32	35.2	18	7	US-11-033-039-1246	Sequence 1246, Ap
139	34	37.4	590	7	US-11-087-099-6075	Sequence 6075, Ap	212	32	35.2	155	7	US-11-096-568A-6346	Sequence 6346, Ap
140	34	37.4	590	7	US-11-096-568A-28360	Sequence 28360, Ap	213	32	35.2	188	7	US-11-018-868-32	Sequence 32, Appl
141	34	37.4	591	7	US-11-087-099-5735	Sequence 5735, Ap	214	32	35.2	155	7	US-11-087-099-3109	Sequence 3109, Ap
142	34	37.4	614	7	US-11-150-845-34	Sequence 34, Appl	215	32	35.2	214	7	US-11-103-957-78	Sequence 78, Appl
143	34	37.4	614	7	US-11-150-487-34	Sequence 34, Appl	216	32	35.2	226	7	US-11-096-568A-15929	Sequence 15929, A
144	34	37.4	617	7	US-11-150-845-46	Sequence 46, Appl	217	32	35.2	226	7	US-11-096-568A-20887	Sequence 20887, A
145	34	37.4	617	7	US-11-150-487-40	Sequence 40, Appl	218	32	35.2	227	7	US-11-022-562-230	Sequence 230, App
146	34	37.4	640	7	US-11-087-099-4980	Sequence 480, Ap	219	32	35.2	248	7	US-11-052-554A-81	Sequence 81, Appl
147	34	37.4	649	7	US-11-150-845-18	Sequence 18, Appl	220	32	35.2	250	7	US-11-096-568A-15928	Sequence 15928, A
148	34	37.4	649	7	US-11-150-845-52	Sequence 52, Appl	221	32	35.2	252	6	US-10-793-626-2316	Sequence 2316, Ap
149	34	37.4	649	7	US-11-150-487-18	Sequence 18, Appl	222	32	35.2	259	7	US-11-087-099-11217	Sequence 11217, A
150	34	37.4	649	7	US-11-150-487-22	Sequence 22, Appl	223	32	35.2	266	6	US-10-485-517-408	Sequence 408, App
151	34	37.4	666	7	US-11-098-686-11016	Sequence 11016, A	224	32	35.2	266	6	US-11-096-568A-20308	Sequence 20308, A
152	34	37.4	701	7	US-11-096-568A-28359	Sequence 28359, A	225	32	35.2	302	7	US-11-072-512-3163	Sequence 3163, Ap
153	34	37.4	3157	7	US-11-052-554A-142	Sequence 142, App	226	32	35.2	307	7	US-11-000-463-244	Sequence 244, App
154	33.5	36.8	301	7	US-11-087-099-11444	Sequence 11444, A	227	32	35.2	307	7	US-11-096-568A-20886	Sequence 20886, A
155	33.5	36.8	2671	6	US-10-876-787-6	Sequence 6, Appl1	228	32	35.2	308	7	US-11-096-568A-33093	Sequence 33093, A
156	33	36.3	144	7	US-11-096-568A-849	Sequence 849, App	229	32	35.2	309	7	US-11-096-568A-33092	Sequence 33092, A
157	33	36.3	149	6	US-10-467-657-112	Sequence 7182, App	230	32	35.2	316	7	US-11-096-568A-33091	Sequence 33091, A
158	33	36.3	152	7	US-11-087-099-4182	Sequence 4182, Ap	231	32	35.2	334	7	US-11-096-568A-20885	Sequence 20885, A
159	33	36.3	162	7	US-11-087-099-6040	Sequence 6040, Ap	232	32	35.2	334	7	US-11-087-099-4294	Sequence 4294, Ap
160	33	36.3	176	7	US-11-096-568A-848	Sequence 848, App	233	32	35.2	337	7	US-11-087-099-3639	Sequence 3639, Ap
161	33	36.3	183	7	US-11-087-099-824	Sequence 824, App	234	32	35.2	349	7	US-11-087-099-2674	Sequence 2674, Ap
162	33	36.3	183	7	US-11-087-099-2657	Sequence 2657, Ap	235	32	35.2	361	7	US-11-096-568A-330561	Sequence 30561, A
163	33	36.3	183	7	US-11-087-099-5325	Sequence 5325, Ap	236	32	35.2	364	7	US-11-087-099-2747	Sequence 2747, Ap
164	33	36.3	183	7	US-11-087-099-5921	Sequence 5921, Ap	237	32	35.2	377	7	US-11-087-099-8524	Sequence 8524, Ap
165	33	36.3	196	6	US-10-467-657-5810	Sequence 5810, Ap	238	32	35.2	378	7	US-11-229-371-42	Sequence 42, Appl
166	33	36.3	266	6	US-10-793-626-1974	Sequence 1974, Ap	239	32	35.2	378	7	US-11-228-923-42	Sequence 42, Appl
167	33	36.3	283	7	US-11-165-067A-21	Sequence 21, Appl	240	32	35.2	378	7	US-11-228-923-88	Sequence 88, Appl
168	33	36.3	284	7	US-11-096-568A-22867	Sequence 22867, A	241	32	35.2	378	7	US-11-228-875-42	Sequence 42, Appl
169	33	36.3	298	7	US-11-156-084-222	Sequence 222, App	242	32	35.2	378	7	US-11-228-875-88	Sequence 88, Appl
170	33	36.3	308	7	US-11-096-568A-22866	Sequence 22866, A	243	32	35.2	394	7	US-11-229-371-94	Sequence 94, Appl
171	33	36.3	310	6	US-10-821-234-1599	Sequence 1599, Ap	244	32	35.2				

245	32	35.2	394	7	US-11-228-923-94	Sequence 94, Appl	318	31	34.1	225	7	US-11-096-568A-25612	Sequence 25612, A
246	32	35.2	394	7	US-11-228-875-94	Sequence 94, Appl	319	31	34.1	243	7	US-11-098-686-10329	Sequence 10329, A
247	32	35.2	405	7	US-11-096-568A-28005	Sequence 28005, A	320	31	34.1	244	7	US-11-096-568A-4775	Sequence 4775, A
248	32	35.2	420	7	US-11-229-371-90	Sequence 90, Appl	321	31	34.1	245	7	US-11-072-512-3466	Sequence 3466, Ap
249	32	35.2	420	7	US-11-228-923-90	Sequence 90, Appl	322	31	34.1	260	7	US-11-082-389-210	Sequence 210, App
250	32	35.2	420	7	US-11-228-875-90	Sequence 90, Appl	323	31	34.1	260	7	US-11-082-389-210	Sequence 212, App
251	32	35.2	450	7	US-11-087-099-8306	Sequence 8306, Ap	324	31	34.1	260	7	US-11-096-568A-13059	Sequence 13059, A
252	32	35.2	450	7	US-11-087-099-6849	Sequence 8, Appl1	325	31	34.1	263	7	US-11-096-568A-6668	Sequence 6668, Ap
253	32	35.2	509	7	US-11-155-288-8	Sequence 8, Appl1	326	31	34.1	265	7	US-11-146-093-2	Sequence 2, Appl1
254	32	35.2	509	7	US-10-821-234-3373	Sequence 1373, Ap	327	31	34.1	265	7	US-11-087-099-967	Sequence 967, App
255	32	35.2	550	7	US-11-098-686-10474	Sequence 10474, A	328	31	34.1	266	7	US-11-087-099-8501	Sequence 8501, Ap
256	32	35.2	570	7	US-11-096-568A-33137	Sequence 33137, A	329	31	34.1	266	7	US-11-087-099-10288	Sequence 10288, A
257	32	35.2	578	7	US-11-096-568A-33136	Sequence 33136, A	330	31	34.1	267	7	US-11-092-140-9	Sequence 9, Appl1
258	32	35.2	605	7	US-11-098-686-11114	Sequence 11114, A	331	31	34.1	276	7	US-11-096-568A-22458	Sequence 22458, A
259	32	35.2	630	7	US-11-096-568A-33135	Sequence 33135, A	332	31	34.1	303	7	US-11-096-568A-15022	Sequence 15022, A
260	32	35.2	692	7	US-11-052-554A-213	Sequence 213, App	333	31	34.1	313	7	US-11-096-568A-15024	Sequence 15024, A
261	32	35.2	698	7	US-11-096-568A-24181	Sequence 24181, A	334	31	34.1	313	7	US-11-074-176-74	Sequence 74, Appl
262	32	35.2	700	7	US-11-096-568A-24180	Sequence 24180, A	335	31	34.1	319	7	US-11-096-568A-15023	Sequence 15023, A
263	32	35.2	762	7	US-11-096-568A-24179	Sequence 24179, A	336	31	34.1	327	7	US-11-096-568A-15022	Sequence 15022, A
264	32	35.2	766	7	US-11-144-985-9	Sequence 9, Appl1	337	31	34.1	335	7	US-11-096-568A-22457	Sequence 22457, A
265	32	35.2	840	7	US-11-096-568A-34425	Sequence 34425, A	338	31	34.1	341	6	US-10-467-657-5408	Sequence 5408, Ap
266	32	35.2	858	7	US-11-096-568A-30989	Sequence 30989, A	339	31	34.1	350	7	US-11-096-568A-28376	Sequence 28376, A
267	32	35.2	913	7	US-11-018-668-164	Sequence 164, App	340	31	34.1	352	7	US-11-087-099-10074	Sequence 10074, A
268	32	35.2	913	7	US-11-096-568A-30511	Sequence 30511, A	341	31	34.1	353	7	US-11-096-568A-7914	Sequence 7914, Ap
269	32	35.2	936	7	US-11-096-568A-30988	Sequence 30988, A	342	31	34.1	355	7	US-11-241-056-10	Sequence 10, Appl
270	32	35.2	956	7	US-11-096-568A-34424	Sequence 34424, A	343	31	34.1	356	7	US-11-087-099-1153	Sequence 1153, Ap
271	32	35.2	978	7	US-11-096-568A-34423	Sequence 34423, A	344	31	34.1	358	7	US-11-087-099-9959	Sequence 9959, Ap
272	32	35.2	995	7	US-11-096-568A-30987	Sequence 30987, A	345	31	34.1	361	7	US-11-129-143-108	Sequence 108, App
273	32	35.2	1020	7	US-11-096-568A-30510	Sequence 30510, A	346	31	34.1	364	6	US-10-510-386-220	Sequence 220, App
274	32	35.2	1023	7	US-11-096-568A-30509	Sequence 30509, A	347	31	34.1	371	7	US-11-096-568A-28375	Sequence 28375, A
275	32	35.2	1031	7	US-11-072-512-7327	Sequence 2327, Ap	348	31	34.1	373	7	US-11-096-568A-13058	Sequence 13058, A
276	32	35.2	1140	6	US-10-858-730-708	Sequence 28, App	349	31	34.1	376	7	US-11-096-568A-13057	Sequence 13057, A
277	32	35.2	1387	7	US-11-077-386-38	Sequence 28, Appl	350	31	34.1	382	7	US-11-087-099-9182	Sequence 9182, Ap
278	32	35.2	1481	7	US-11-077-386-30	Sequence 30, Appl	351	31	34.1	382	7	US-11-087-099-9117	Sequence 9117, Ap
279	32	35.2	1732	6	US-10-055-877-147	Sequence 147, Appl	352	31	34.1	382	7	US-11-096-568A-32668	Sequence 32668, A
280	32	35.2	1798	7	US-11-080-991-96	Sequence 96, Appl	353	31	34.1	388	7	US-11-096-568A-6667	Sequence 6667, Ap
281	32	35.2	1960	7	US-11-077-386-29	Sequence 29, Appl	354	31	34.1	398	7	US-11-096-568A-22506	Sequence 22506, A
282	32	35.2	2036	7	US-11-124-368A-276	Sequence 276, App	355	31	34.1	420	7	US-11-096-568A-20474	Sequence 20474, A
283	32	35.2	2036	7	US-11-124-368A-280	Sequence 280, App	356	31	34.1	426	7	US-11-087-099-423	Sequence 423, App
284	32	35.2	2046	7	US-11-124-368A-281	Sequence 281, App	357	31	34.1	426	7	US-11-096-568A-6666	Sequence 6666, Ap
285	32	35.2	2044	7	US-11-124-368A-278	Sequence 278, App	358	31	34.1	439	7	US-11-096-568A-32667	Sequence 32667, A
286	32	35.2	2061	7	US-11-077-386-57	Sequence 27, Appl	359	31	34.1	443	7	US-11-096-568A-7913	Sequence 7913, Ap
287	32	35.2	2061	7	US-11-169-041-179	Sequence 179, App	360	31	34.1	443	7	US-11-096-568A-22505	Sequence 22505, A
288	32	35.2	2144	7	US-11-124-368A-277	Sequence 277, App	361	31	34.1	448	7	US-11-096-568A-7654	Sequence 7654, Ap
289	32	35.2	2376	7	US-11-096-568A-27513	Sequence 27513, A	362	31	34.1	445	6	US-10-467-657-1584	Sequence 1584, Ap
290	32	35.2	2538	7	US-11-096-568A-27512	Sequence 27512, A	363	31	34.1	445	7	US-11-096-568A-20473	Sequence 20473, A
291	32	35.2	2535	7	US-11-096-568A-27511	Sequence 27511, A	364	31	34.1	445	7	US-11-096-568A-22504	Sequence 22504, A
292	32	35.2	4374	7	US-11-128-572-2	Sequence 281, Appl	365	31	34.1	446	7	US-11-087-099-3804	Sequence 3804, Ap
293	32	35.2	5291	7	US-11-052-554A-281	Sequence 281, App	366	31	34.1	449	7	US-11-087-099-1709	Sequence 1709, Ap
294	31.5	34.6	523	7	US-11-087-099-1873	Sequence 1873, Ap	367	31	34.1	449	7	US-11-087-099-2455	Sequence 2455, Ap
295	31.5	34.6	523	7	US-11-087-099-6809	Sequence 6809, Ap	368	31	34.1	449	7	US-11-087-099-6488	Sequence 6488, Ap
296	31.5	34.6	572	6	US-10-763-712A-11	Sequence 11, Appl	369	31	34.1	449	7	US-11-087-099-10085	Sequence 10085, A
297	31.5	34.6	572	6	US-10-763-712A-109	Sequence 109, App	370	31	34.1	452	7	US-11-087-099-8611	Sequence 8611, Ap
298	31.5	34.6	840	7	US-11-108-172-1102	Sequence 1102, App	371	31	34.1	464	6	US-10-467-657-4918	Sequence 4918, Ap
299	31.5	34.6	858	6	US-10-878-556A-36	Sequence 36, Appl	372	31	34.1	455	6	US-10-467-657-1292	Sequence 1292, Ap
300	31.5	34.6	883	6	US-10-858-730-207	Sequence 207, App	373	31	34.1	467	7	US-11-096-568A-3358	Sequence 3358, Ap
301	31.5	34.6	1704	7	US-11-072-175-213	Sequence 213, App	374	31	34.1	467	7	US-11-096-568A-7912	Sequence 7912, Ap
302	31	34.1	20	7	US-11-004-399-3232	Sequence 3322, Ap	375	31	34.1	477	7	US-11-096-568A-7912	Sequence 7912, Ap
303	31	34.1	51	7	US-11-000-463-362	Sequence 362, App	376	31	34.1	470	7	US-11-229-571-91	Sequence 91, Appl
304	31	34.1	51	7	US-11-000-463-835	Sequence 834, App	377	31	34.1	470	7	US-11-228-923-91	Sequence 91, Appl
305	31	34.1	63	7	US-11-000-463-825	Sequence 325, App	378	31	34.1	470	7	US-11-228-875-91	Sequence 875, Ap
306	31	34.1	63	7	US-11-000-463-897	Sequence 797, App	379	31	34.1	466	7	US-11-096-568A-28374	Sequence 28374, A
307	31	34.1	95	7	US-11-129-741-3569	Sequence 3569, App	380	31	34.1	446	7	US-11-096-568A-33266	Sequence 32666, A
308	31	34.1	124	7	US-11-096-568A-25614	Sequence 25614, A	381	31	34.1	480	7	US-11-063-243-31	Sequence 31, Appl
309	31	34.1	153	7	US-11-096-568A-25613	Sequence 25613, A	382	31	34.1	480	7	US-10-793-626-770	Sequence 770, App
310	31	34.1	158	6	US-10-821-234-1424	Sequence 1424, A	383	31	34.1	509	7	US-11-135-667-34	Sequence 34, Appl
311	31	34.1	158	6	US-11-166-609-4	Sequence 4, Appl1	384	31	34.1	513	7	US-11-135-667-51	Sequence 51, Appl
312	31	34.1	195	6	US-10-793-626-3040	Sequence 3040, Ap	385	31	34.1	518	7	US-11-166-609-13	Sequence 13, Appl
313	31	34.1	204	6	US-10-902-137-9	Sequence 9, Appl1	386	31	34.1	532	7	US-11-166-609-22	Sequence 22, Appl
314	31	34.1	207	6	US-11-129-104-98	Sequence 2, Appl1	387	31	34.1	535	7	US-11-114-806-16	Sequence 16, Appl
315	31	34.1	211	6	US-11-129-104-98	Sequence 99, Appl	388	31	34.1	538	7	US-11-166-609-21	Sequence 21, Appl
316	31	34.1	221	6	US-10-467-657-2142	Sequence 2142, Ap	389	31	34.1	541	7	US-11-096-568A-33125	Sequence 33125, A
317	31	34.1	221	7	US-11-096-568A-4776	Sequence 4776, Ap	390	31	34.1	543	7	US-11-096-568A-33124	Sequence 33124, A

391	31	34.1	544	7	US-11-166-609-18	Sequence 18, Appl	464	30	33.0	140	7	US-11-096-568A-11941	Sequence 11941, A
392	31	34.1	545	7	US-11-096-568A-7463	Sequence 7463, Ap	465	30	33.0	143	7	US-11-156-084-89	Sequence 89, Appl
393	31	34.1	546	7	US-11-166-609-2	Sequence 2, Appl	466	30	33.0	144	7	US-11-143-943A-3	Sequence 3, Appl
394	31	34.1	548	7	US-11-114-906-14	Sequence 14, Appl	467	30	33.0	147	7	US-11-143-947A-3	Sequence 3, Appl
395	31	34.1	561	7	US-11-096-568A-7462	Sequence 7462, Ap	468	30	33.0	144	7	US-11-055-822-466	Sequence 466, App
396	31	34.1	562	7	US-11-201-916-24	Sequence 24, Appl	469	30	33.0	158	7	US-11-096-568A-19080	Sequence 19080, A
397	31	34.1	610	7	US-11-096-568A-33123	Sequence 33123, A	470	30	33.0	160	7	US-11-009-658-24	Sequence 24, Appl
398	31	34.1	648	7	US-11-114-906-12	Sequence 12, Appl	471	30	33.0	167	6	US-10-467-657-6910	Sequence 6910, Ap
399	31	34.1	654	7	US-11-114-906-10	Sequence 10, Appl	472	30	33.0	172	7	US-11-156-084-113	Sequence 113, App
400	31	34.1	713	6	US-10-467-657-1012	Sequence 1012, Ap	473	30	33.0	175	7	US-11-096-568A-19079	Sequence 19079, A
401	31	34.1	713	7	US-11-190-799-2	Sequence 2, Appl	474	30	33.0	177	7	US-11-156-084-90	Sequence 90, Appl
402	31	34.1	713	7	US-11-190-799-4	Sequence 4, Appl	475	30	33.0	178	7	US-11-096-568A-3521	Sequence 3521, Ap
403	31	34.1	713	7	US-11-103-957-97	Sequence 97, Appl	476	30	33.0	179	6	US-10-467-657-7772	Sequence 7772, Ap
404	31	34.1	751	7	US-11-114-906-8	Sequence 8, Appl	477	30	33.0	180	7	US-11-098-686-10905	Sequence 10905, A
405	31	34.1	754	7	US-11-114-906-6	Sequence 6, Appl	478	30	33.0	180	7	US-11-143-943A-2	Sequence 2, Appl
406	31	34.1	776	7	US-11-114-906-24	Sequence 24, Appl	479	30	33.0	180	7	US-11-143-947A-2	Sequence 2, Appl
407	31	34.1	776	7	US-11-087-099-6000	Sequence 6000, Ap	480	30	33.0	182	7	US-11-096-568A-11381	Sequence 11381, A
408	31	34.1	789	7	US-11-114-906-22	Sequence 22, Appl	481	30	33.0	183	6	US-10-793-626-1370	Sequence 1370, Ap
409	31	34.1	831	7	US-11-098-686-10875	Sequence 10875, A	482	30	33.0	184	7	US-11-096-568A-21356	Sequence 21356, A
410	31	34.1	838	7	US-11-114-906-40	Sequence 40, Appl	483	30	33.0	187	7	US-11-096-568A-931	Sequence 931, Ap
411	31	34.1	841	7	US-11-098-686-10188	Sequence 10188, A	484	30	33.0	192	7	US-11-096-568A-17129	Sequence 17129, A
412	31	34.1	851	7	US-11-114-906-38	Sequence 38, Appl	485	30	33.0	195	7	US-11-096-568A-10308	Sequence 10308, A
413	31	34.1	863	7	US-11-114-906-32	Sequence 32, Appl	486	30	33.0	198	7	US-11-096-568A-25699	Sequence 25699, A
414	31	34.1	864	7	US-11-114-906-4	Sequence 4, Appl	487	30	33.0	199	7	US-11-096-568A-14298	Sequence 14298, A
415	31	34.1	870	7	US-11-114-906-2	Sequence 2, Appl	488	30	33.0	200	7	US-11-096-568A-21355	Sequence 21355, A
416	31	34.1	871	6	US-10-467-657-4588	Sequence 4588, Ap	489	30	33.0	202	7	US-11-096-568A-11380	Sequence 11380, A
417	31	34.1	871	6	US-10-467-657-1182	Sequence 1182, Ap	490	30	33.0	216	7	US-11-096-568A-5121	Sequence 5121, Ap
418	31	34.1	876	7	US-11-114-906-30	Sequence 30, Appl	491	30	33.0	219	6	US-10-793-626-2206	Sequence 2206, Ap
419	31	34.1	889	7	US-11-114-906-20	Sequence 20, Appl	492	30	33.0	220	7	US-11-096-568A-14650	Sequence 14650, A
420	31	34.1	895	7	US-11-114-906-18	Sequence 18, Appl	493	30	33.0	225	7	US-11-096-568A-25698	Sequence 25698, A
421	31	34.1	905	7	US-11-087-099-433	Sequence 433, App	494	30	33.0	225	6	US-10-485-517-143	Sequence 143, App
422	31	34.1	945	7	US-11-019-711-121	Sequence 121, App	495	30	33.0	225	7	US-11-252-663-6	Sequence 6, Appl
423	31	34.1	951	7	US-11-114-906-36	Sequence 36, Appl	496	30	33.0	235	7	US-11-096-568A-930	Sequence 930, App
424	31	34.1	957	7	US-11-114-906-34	Sequence 34, Appl	497	30	33.0	239	7	US-11-096-568A-5120	Sequence 5120, App
425	31	34.1	976	7	US-11-114-906-28	Sequence 28, Appl	498	30	33.0	244	7	US-11-096-568A-24795	Sequence 24795, A
426	31	34.1	982	7	US-11-114-906-16	Sequence 16, Appl	499	30	33.0	249	7	US-11-072-512-2332	Sequence 2332, Ap
427	31	34.1	989	7	US-11-096-568A-29282	Sequence 29282, A	500	30	33.0	256	7	US-11-096-568A-25325	Sequence 25325, A
428	31	34.1	1063	7	US-11-096-568A-29281	Sequence 29281, A	501	30	33.0	251	7	US-11-096-568A-929	Sequence 929, App
429	31	34.1	1076	6	US-10-902-137-6	Sequence 6, Appl	502	30	33.0	251	7	US-11-096-568A-22675	Sequence 22675, A
430	31	34.1	1110	6	US-10-902-137-4	Sequence 4, Appl	503	30	33.0	259	6	US-10-467-657-8478	Sequence 8478, Ap
431	31	34.1	1124	6	US-10-858-730-12	Sequence 12, Appl	504	30	33.0	262	7	US-11-096-568A-6879	Sequence 6879, Ap
432	31	34.1	1134	7	US-11-043-889-54	Sequence 54, Appl	505	30	33.0	263	7	US-11-096-568A-22674	Sequence 22674, A
433	31	34.1	1138	7	US-11-049-536-2	Sequence 2, Appl	506	30	33.0	265	7	US-11-098-686-10694	Sequence 10694, A
434	31	34.1	1151	6	US-10-793-626-2448	Sequence 2448, Ap	507	30	33.0	267	7	US-11-096-568A-25324	Sequence 25324, A
435	31	34.1	1170	6	US-10-858-730-71	Sequence 71, Appl	508	30	33.0	272	7	US-11-087-099-10650	Sequence 10650, A
436	31	34.1	1184	7	US-10-858-730-71	Sequence 71, Appl	509	30	33.0	277	7	US-11-096-568A-18044	Sequence 18044, A
437	31	34.1	1187	7	US-11-043-889-46	Sequence 46, Appl	510	30	33.0	268	6	US-10-203-486-7	Sequence 7, Appl
438	31	34.1	1192	6	US-10-858-730-72	Sequence 72, Appl	511	30	33.0	282	7	US-11-096-568A-21765	Sequence 21765, A
439	31	34.1	1360	7	US-11-241-056-14	Sequence 14, Appl	512	30	33.0	288	7	US-11-096-568A-22673	Sequence 22673, A
440	31	34.1	1385	6	US-10-501-035-351	Sequence 351, App	513	30	33.0	302	7	US-11-096-568A-1128	Sequence 1128, A
441	31	34.1	1552	7	US-11-108-459-2	Sequence 2, Appl	514	30	33.0	302	7	US-11-096-568A-25545	Sequence 25545, A
442	31	34.1	1558	6	US-10-329-258-14	Sequence 14, Appl	515	30	33.0	306	7	US-11-096-568A-21726	Sequence 21726, A
443	31	34.1	1597	7	US-11-210-471-13	Sequence 13, Appl	516	30	33.0	306	7	US-11-102-497-13	Sequence 13, Appl
444	31	34.1	1607	7	US-11-108-459-4	Sequence 4, Appl	517	30	33.0	307	7	US-11-096-568A-11379	Sequence 11379, A
445	31	34.1	2145	7	US-11-087-099-10331	Sequence 10331, A	518	30	33.0	308	7	US-11-087-099-2951	Sequence 2951, Ap
446	31	34.1	3132	7	US-11-087-099-1245	Sequence 1245, Ap	519	30	33.0	313	7	US-11-096-568A-25544	Sequence 25544, A
447	31	34.1	3375	7	US-11-044-111-23	Sequence 23, Appl	520	30	33.0	318	7	US-11-096-568A-6878	Sequence 6878, Ap
448	31	34.1	4386	7	US-11-004-399-714	Sequence 714, App	521	30	33.0	320	7	US-11-054-281-119	Sequence 119, App
449	30.5	33.5	4386	6	US-10-467-657-2646	Sequence 2646, App	522	30	33.0	325	6	US-10-873-528-141	Sequence 141, App
450	30.5	33.5	643	7	US-11-096-568A-32104	Sequence 32104, A	523	30	33.0	325	7	US-11-096-568A-21725	Sequence 21725, A
451	30.5	33.5	783	7	US-11-096-568A-32103	Sequence 32103, A	524	30	33.0	339	7	US-11-087-099-4419	Sequence 4419, Ap
452	30.5	33.5	801	7	US-11-096-568A-32102	Sequence 32102, A	525	30	33.0	344	6	US-10-858-730-114	Sequence 114, App
453	30.5	33.5	1981	6	US-10-374-954-23	Sequence 23, Appl	526	30	33.0	334	7	US-11-098-686-10496	Sequence 10496, A
454	30.5	33.5	1998	6	US-10-374-954-21	Sequence 21, Appl	527	30	33.0	344	7	US-11-096-568A-18043	Sequence 18043, A
455	30.5	33.5	2009	6	US-10-374-954-2	Sequence 2, Appl	528	30	33.0	344	7	US-11-096-568A-27764	Sequence 27764, A
456	30.5	33.5	58	6	US-10-895-064-2684	Sequence 2684, Ap	529	30	33.0	345	7	US-11-096-568A-21724	Sequence 21724, A
457	30	33.0	58	6	US-11-129-741-2684	Sequence 2684, Ap	531	30	33.0	347	7	US-11-098-686-1181	Sequence 1181, A
458	30	33.0	88	6	US-10-485-788A-819	Sequence 819, App	532	30	33.0	347	6	US-10-793-626-462	Sequence 462, App
459	30	33.0	88	7	US-11-053-076-404	Sequence 204, App	533	30	33.0	349	7	US-10-793-626-1268	Sequence 1268, App
460	30	33.0	111	7	US-11-096-568A-19081	Sequence 19081, A	534	30	33.0	352	7	US-11-098-686-10281	Sequence 10281, A
461	30	33.0	114	7	US-11-072-512-5659	Sequence 2659, Ap	535	30	33.0	352	7	US-11-087-099-3715	Sequence 3715, A
462	30	33.0	132	7	US-11-087-099-5666	Sequence 5666, Ap	536	30	33.0	352	7	US-11-096-568A-27271	Sequence 27271, A



537	30	33.0	357	7	US-11-096-568A-27270	Sequence 27270, A	610	30	33.0	641	7	US-11-096-568A-28353	Sequence 28353, A
538	30	33.0	364	7	US-11-096-568A-6877	Sequence 6877, Ap	611	30	33.0	684	7	US-11-096-568A-27647	Sequence 27647, A
539	30	33.0	367	7	US-11-096-568A-34460	Sequence 34460, A	612	30	33.0	686	7	US-11-096-568A-27646	Sequence 27646, A
540	30	33.0	370	7	US-11-096-568A-18824	Sequence 18824, A	613	30	33.0	692	7	US-11-096-568A-28745	Sequence 28745, A
541	30	33.0	374	7	US-11-009-658A-58	Sequence 58, Appl	614	30	33.0	719	6	US-10-661-966-20	Sequence 20, Appl
542	30	33.0	376	7	US-11-109-157A-12	Sequence 12, Appl	615	30	33.0	750	7	US-11-096-568A-34290	Sequence 34290, A
543	30	33.0	378	7	US-11-096-568A-8228	Sequence 8228, Ap	616	30	33.0	763	7	US-11-096-568A-28744	Sequence 28744, A
544	30	33.0	379	7	US-11-096-568A-34459	Sequence 34459, A	617	30	33.0	779	7	US-11-096-568A-32062	Sequence 32062, A
545	30	33.0	382	7	US-11-087-099-9588	Sequence 9588, Ap	618	30	33.0	795	6	US-10-532-153-12	Sequence 12, Appl
546	30	33.0	384	7	US-11-098-686-10752	Sequence 10752, A	619	30	33.0	795	6	US-10-532-153-21	Sequence 21, Appl
547	30	33.0	387	7	US-11-098-686-11142	Sequence 11142, A	620	30	33.0	797	7	US-11-096-568A-34289	Sequence 34289, A
548	30	33.0	394	7	US-11-087-099-1850	Sequence 1850, Ap	621	30	33.0	814	7	US-11-096-568A-28352	Sequence 28352, A
549	30	33.0	398	7	US-11-087-099-5349	Sequence 5349, Ap	622	30	33.0	816	7	US-11-096-568A-28351	Sequence 28351, A
550	30	33.0	400	7	US-11-229-371-2	Sequence 2, Appli	623	30	33.0	831	7	US-11-096-568A-34288	Sequence 34288, A
551	30	33.0	400	7	US-11-228-875-2	Sequence 2, Appli	624	30	33.0	845	7	US-11-096-568A-28842	Sequence 28842, A
552	30	33.0	400	7	US-11-228-875-2	Sequence 2, Appli	625	30	33.0	855	6	US-10-909-769-10	Sequence 10, Appl
553	30	33.0	408	7	US-11-087-099-10788	Sequence 10788, A	626	30	33.0	871	6	US-11-109-157A-10	Sequence 10, Appl
554	30	33.0	409	7	US-11-055-822-290	Sequence 290, App	627	30	33.0	897	6	US-10-336-263A-58	Sequence 58, Appl
555	30	33.0	410	7	US-11-096-568A-18823	Sequence 18823, A	628	30	33.0	897	7	US-11-096-568A-28841	Sequence 28841, A
556	30	33.0	413	7	US-11-096-568A-8227	Sequence 8227, Ap	629	30	33.0	912	7	US-11-096-568A-28840	Sequence 28840, A
557	30	33.0	414	7	US-11-096-568A-34458	Sequence 34458, A	630	30	33.0	916	7	US-11-096-568A-32061	Sequence 32061, A
558	30	33.0	419	6	US-10-330-773-746	Sequence 746, App	631	30	33.0	926	6	US-10-841-129-2	Sequence 2, Appli
559	30	33.0	419	7	US-11-087-099-10606	Sequence 10606, A	632	30	33.0	939	7	US-11-096-568A-32060	Sequence 32060, A
560	30	33.0	424	7	US-11-096-568A-26440	Sequence 26440, A	633	30	33.0	1059	6	US-10-336-263A-54	Sequence 54, Appl
561	30	33.0	430	7	US-11-087-099-6449	Sequence 6449, Ap	634	30	33.0	1059	6	US-10-336-263A-56	Sequence 56, Appl
562	30	33.0	434	7	US-11-096-568A-27269	Sequence 27269, A	635	30	33.0	1072	7	US-11-096-568A-27848	Sequence 27848, A
563	30	33.0	438	7	US-11-087-099-1085	Sequence 1085, Ap	636	30	33.0	1103	7	US-11-109-157A-9	Sequence 9, Appli
564	30	33.0	448	7	US-11-096-568A-8226	Sequence 8226, Ap	637	30	33.0	1181	7	US-11-096-568A-27847	Sequence 27847, A
565	30	33.0	450	7	US-11-087-099-4313	Sequence 4313, Ap	638	30	33.0	1189	7	US-11-096-568A-27846	Sequence 27846, A
566	30	33.0	452	7	US-11-096-568A-27763	Sequence 27763, A	639	30	33.0	1206	6	US-10-858-730-73	Sequence 73, Appl
567	30	33.0	457	7	US-11-087-099-9561	Sequence 9561, Ap	640	30	33.0	1344	7	US-11-070-575-6	Sequence 6, Appli
568	30	33.0	472	7	US-11-208-308-2	Sequence 2, Appli	641	30	33.0	1344	7	US-11-091-643-20	Sequence 20, Appl
569	30	33.0	474	7	US-11-096-568A-20335	Sequence 20335, A	642	30	33.0	1451	7	US-11-046-346-1	Sequence 1, Appli
570	30	33.0	482	7	US-11-229-371-87	Sequence 87, Appl	643	30	33.0	1643	7	US-11-052-554A-172	Sequence 172, App
571	30	33.0	482	7	US-11-229-371-177	Sequence 177, Appl	644	30	33.0	1890	7	US-11-033-039-314	Sequence 314, App
572	30	33.0	482	7	US-11-228-923-87	Sequence 87, Appl	645	30	33.0	2080	7	US-11-124-367A-363	Sequence 363, App
573	30	33.0	482	7	US-11-228-923-177	Sequence 177, Appl	646	30	33.0	2542	7	US-11-124-367A-364	Sequence 364, App
574	30	33.0	482	7	US-11-228-875-87	Sequence 87, Appl	647	29.5	32.4	115	6	US-10-467-657-5296	Sequence 5296, Ap
575	30	33.0	482	7	US-11-228-875-177	Sequence 177, App	648	29.5	32.4	186	7	US-11-096-568A-1431	Sequence 1431, Ap
576	30	33.0	483	7	US-11-024-959-494	Sequence 494, App	649	29.5	32.4	322	7	US-11-096-568A-3061	Sequence 3061, Ap
577	30	33.0	484	7	US-11-096-568A-20334	Sequence 20334, A	650	29.5	32.4	351	7	US-11-096-568A-31831	Sequence 31831, A
578	30	33.0	486	7	US-11-087-099-3159	Sequence 3159, App	651	29.5	32.4	357	7	US-11-087-099-11937	Sequence 11937, A
579	30	33.0	490	7	US-11-087-099-9461	Sequence 9461, Ap	652	29.5	32.4	363	6	US-10-995-561-541	Sequence 541, App
580	30	33.0	491	7	US-11-087-099-6597	Sequence 6597, Ap	653	29.5	32.4	367	7	US-11-096-568A-3060	Sequence 3060, App
581	30	33.0	503	7	US-11-096-568A-26439	Sequence 26439, A	654	29.5	32.4	372	7	US-11-096-568A-3059	Sequence 3059, App
582	30	33.0	511	7	US-11-135-667-95	Sequence 35, Appl	655	29.5	32.4	372	7	US-11-096-568A-3062	Sequence 3062, App
583	30	33.0	513	7	US-11-135-667-54	Sequence 54, Appl	656	29.5	32.4	375	6	US-10-995-561-540	Sequence 540, App
584	30	33.0	528	7	US-11-096-568A-26438	Sequence 26438, A	657	29.5	32.4	395	7	US-11-096-568A-31830	Sequence 31830, A
585	30	33.0	530	6	US-10-330-773-749	Sequence 749, App	658	29.5	32.4	400	7	US-11-096-568A-31829	Sequence 31829, A
586	30	33.0	531	7	US-11-087-099-7853	Sequence 7853, Ap	659	29.5	32.4	450	6	US-10-618-320A-26	Sequence 26, Appl
587	30	33.0	533	6	US-10-467-657-2868	Sequence 2868, Ap	660	29.5	32.4	457	7	US-11-087-099-1111	Sequence 1111, Ap
588	30	33.0	533	7	US-11-230-995-3	Sequence 3, Appli	661	29.5	32.4	503	7	US-11-087-099-9776	Sequence 9776, Ap
589	30	33.0	535	7	US-11-096-568A-26881	Sequence 26881, A	662	29.5	32.4	575	7	US-11-072-512-1622	Sequence 3622, Ap
590	30	33.0	536	6	US-10-821-231C-1	Sequence 1, Appli	663	29.5	32.4	870	7	US-11-031-206-188	Sequence 188, App
591	30	33.0	557	7	US-11-096-568A-1828	Sequence 1828, Ap	664	29.5	32.4	5024	6	US-10-793-626-2964	Sequence 2964, Ap
592	30	33.0	558	7	US-11-096-568A-26137	Sequence 26137, A	665	29.5	31.9	64	7	US-11-000-463-259	Sequence 259, App
593	30	33.0	559	7	US-11-096-568A-26136	Sequence 26136, A	666	29	31.9	64	7	US-11-000-463-731	Sequence 731, App
594	30	33.0	574	7	US-11-096-568A-26135	Sequence 26135, A	667	29	31.9	76	6	US-10-895-064-2633	Sequence 2633, Ap
595	30	33.0	587	7	US-11-096-568A-1827	Sequence 1827, Ap	668	29	31.9	76	7	US-11-129-741-2633	Sequence 2633, Ap
596	30	33.0	591	6	US-10-770-726-71	Sequence 71, Appl	669	29	31.9	83	7	US-11-096-568A-27339	Sequence 27339, A
597	30	33.0	592	7	US-11-096-568A-1826	Sequence 1826, Ap	670	29	31.9	85	7	US-11-096-568A-27338	Sequence 27338, A
598	30	33.0	599	7	US-11-072-512-2306	Sequence 2306, Ap	671	29	31.9	88	6	US-10-485-517-303	Sequence 303, App
599	30	33.0	608	7	US-11-109-157A-11	Sequence 11, Appl	672	29	31.9	118	7	US-11-087-099-1960	Sequence 1960, App
600	30	33.0	615	7	US-11-172-145-6	Sequence 6, Appli	673	29	31.9	132	7	US-11-087-099-1002	Sequence 1002, App
601	30	33.0	617	7	US-11-172-145-8	Sequence 8, Appli	674	29	31.9	138	7	US-11-096-568A-27337	Sequence 27337, A
602	30	33.0	619	7	US-11-109-157A-42	Sequence 42, Appl	675	29	31.9	146	7	US-11-087-099-1833	Sequence 4833, Ap
603	30	33.0	621	6	US-10-632-150-28	Sequence 28, Appl	676	29	31.9	149	6	US-10-467-657-8827	Sequence 8827, Ap
604	30	33.0	621	7	US-11-073-457-28	Sequence 28, Appl	677	29	31.9	167	7	US-11-186-448-17	Sequence 17, Appl
605	30	33.0	621	7	US-11-073-460-28	Sequence 28, Appl	678	29	31.9	175	7	US-11-096-568A-9068	Sequence 9068, Ap
606	30	33.0	628	7	US-11-096-568A-26880	Sequence 26880, A	679	29	31.9	175	7	US-11-096-568A-9071	Sequence 9071, Ap
607	30	33.0	630	7	US-11-087-099-4053	Sequence 4053, Ap	680	29	31.9	178	6	US-10-821-234-1052	Sequence 1052, Ap
608	30	33.0	633	7	US-11-096-568A-28746	Sequence 28746, A	681	29	31.9	181	5	US-09-995-493-38	Sequence 38, Appl
609	30	33.0	639	7	US-11-096-568A-26879	Sequence 26879, A	682	29	31.9	186	7	US-11-096-568A-31766	Sequence 31766, A

683	29	31.9	155	7	US-11-096-568A-9509	Sequence 9509, Ap	756	29	31.9	396	6	US-10-055-877-158	Sequence 158, App
684	29	31.9	220	7	US-11-096-568A-9508	Sequence 9508, Ap	757	29	31.9	409	7	US-11-087-099-10924	Sequence 10924, A
685	29	31.9	224	7	US-11-098-686-10609	Sequence 10609, A	758	29	31.9	332	7	US-11-000-463-449	Sequence 449, App
686	29	31.9	231	7	US-11-096-568A-16646	Sequence 16646, A	759	29	31.9	404	7	US-11-052-554A-332	Sequence 332, App
687	29	31.9	233	7	US-11-096-568A-16645	Sequence 16645, A	760	29	31.9	404	7	US-11-096-568A-33407	Sequence 33407, A
688	29	31.9	233	7	US-11-096-568A-20233	Sequence 20233, A	761	29	31.9	412	6	US-10-793-626-3156	Sequence 3156, Ap
689	29	31.9	240	7	US-11-098-686-11453	Sequence 11453, A	762	29	31.9	412	6	US-10-979-821-8	Sequence 8, Appl1
690	29	31.9	251	6	US-10-467-657-440	Sequence 440, App	763	29	31.9	412	7	US-11-114-922-8	Sequence 8, Appl1
691	29	31.9	252	7	US-11-087-099-537	Sequence 537, App	764	29	31.9	414	7	US-11-229-371-45	Sequence 45, Appl
692	29	31.9	252	7	US-11-096-568A-8231	Sequence 8231, App	765	29	31.9	414	7	US-11-229-371-89	Sequence 89, Appl
693	29	31.9	256	6	US-10-467-657-3448	Sequence 3448, Ap	766	29	31.9	414	7	US-11-228-923-45	Sequence 45, Appl
694	29	31.9	257	6	US-10-467-657-5118	Sequence 5118, Ap	767	29	31.9	414	7	US-11-228-923-89	Sequence 89, Appl
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975 28 30.8 30 6 US-10-467-657-1934 Sequence 1934, Ap
976 28 30.8 44 7 US-11-096-568A-5421 Sequence 5421, Ap
977 28 30.8 46 6 US-10-895-064-558 Sequence 558, App
978 28 30.8 46 7 US-11-129-741-558 Sequence 558, App
979 28 30.8 59 7 US-11-004-399-2843 Sequence 2843, Ap
980 28 30.8 64 7 US-11-004-399-919 Sequence 919, App
981 28 30.8 71 7 US-11-087-099-5091 Sequence 5091, Ap
982 28 30.8 88 7 US-11-096-568A-6465 Sequence 6465, Ap
983 28 30.8 102 7 US-11-096-568A-4290 Sequence 4290, Ap
984 28 30.8 107 7 US-11-096-568A-4289 Sequence 4289, Ap
985 28 30.8 110 6 US-10-467-657-3690 Sequence 3690, Ap
986 28 30.8 120 7 US-11-096-568A-25320 Sequence 25320, A
987 28 30.8 129 7 US-11-072-512-2145 Sequence 2145, Ap
988 28 30.8 132 6 US-10-995-561-966 Sequence 966, App
989 28 30.8 136 7 US-11-098-686-71 Sequence 71, App1
990 28 30.8 144 7 US-11-194-246-420 Sequence 420, App
991 28 30.8 146 7 US-11-096-568A-30487 Sequence 30487, A
992 28 30.8 149 6 US-10-793-625-594 Sequence 594, App
993 28 30.8 154 7 US-11-072-512-2867 Sequence 2867, Ap
994 28 30.8 155 7 US-11-098-686-10470 Sequence 10470, A
995 28 30.8 156 7 US-11-096-568A-11162 Sequence 11162, A
996 28 30.8 157 7 US-11-096-568A-13473 Sequence 13473, A
997 28 30.8 158 6 US-10-453-372-668 Sequence 668, App
998 28 30.8 158 7 US-11-038-676-30 Sequence 30, App1
999 28 30.8 159 7 US-11-087-099-5905 Sequence 5905, Ap
1000 28 30.8 160 7 US-11-087-099-3738 Sequence 3738, Ap

```

## ALIGNMENTS

RESULT 1  
US-11-060-029-21

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; Sequence 21, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:

```

```

; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-Pr10
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 21
; LENGTH: 318
; TYPE: PRT
; ORGANISM: Oryza sativa
US-11-060-029-21

```

```

Query Match          94.5%; Score 86; DB 7; Length 318;
Best Local Similarity 94.7%; Pred. No. 1.8e-07;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 RRRVYDALNVLMMNTISK 19
Db      153 RRRVYDALNVLMMNTISK 171

```

RESULT 2  
US-11-060-029-15

```

; Sequence 15, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:

```

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; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-Pr10
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 15

```

```

; LENGTH: 344
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (193)..(193)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-11-060-029-15

```

```

Query Match          94.5%; Score 86; DB 7; Length 344;
Best Local Similarity 94.7%; Pred. No. 2e-07;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 RRRVYDALNVLMMNTISK 19
Db      151 RRRVYDALNVLMMNTISK 169

```

RESULT 3  
US-11-060-029-19

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; Sequence 19, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:

```

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; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-Pr10
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 19
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Oryza sativa
US-11-060-029-19

```

```

Query Match          94.5%; Score 86; DB 7; Length 346;
Best Local Similarity 94.7%; Pred. No. 2e-07;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 RRRVYDALNVLMMNTISK 19
Db      153 RRRVYDALNVLMMNTISK 171

```

RESULT 4  
US-11-060-029-2

```

; Sequence 2, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:

```

```

; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-Pr10
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 365
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-11-060-029-2

```

```

Query Match          94.5%; Score 86; DB 7; Length 365;
Best Local Similarity 94.7%; Pred. No. 2.3e-07;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 RRRVYDALNVLMMNTISK 19
Db      155 RRRVYDALNVLMMNTISK 173

```

RESULT 5  
US-11-060-029-13  
; Sequence 13, Application US/11060029  
; Publication No. US20050268358A1  
; GENERAL INFORMATION:  
; APPLICANT: CropDesign N.V.  
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
; FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; CURRENT FILING DATE: 2005-02-17  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 13  
; LENGTH: 386  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (40)..(40)  
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
; FEATURES:  
; NAME/KEY: misc feature  
; LOCATION: (102)..(102)  
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
US-11-060-029-13

Query Match 94.5%; Score 86; DB 7; Length 386;  
Best Local Similarity 94.7%; Pred. No. 2.3e-07;  
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNVLMAMNISK 19  
DB 188 RRRYDALNVLMAMNISK 206

RESULT 6  
US-11-060-029-4  
; Sequence 4, Application US/11060029  
; Publication No. US20050268358A1  
; GENERAL INFORMATION:  
; APPLICANT: CropDesign N.V.  
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
; FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; CURRENT FILING DATE: 2005-02-17  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 4  
; LENGTH: 413  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
US-11-060-029-4

Query Match 94.5%; Score 86; DB 7; Length 413;  
Best Local Similarity 94.7%; Pred. No. 2.3e-07;  
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNVLMAMNISK 19  
DB 172 RRRYDALNVLMAMNISK 190

RESULT 7  
US-11-060-029-17  
; Sequence 17, Application US/11060029  
; Publication No. US20050268358A1  
; GENERAL INFORMATION:  
; APPLICANT: CropDesign N.V.  
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
; FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; CURRENT FILING DATE: 2005-02-17  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 17  
; LENGTH: 386  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)..(384)  
; OTHER INFORMATION: Ceres Seq. ID no. 12610325  
US-11-096-568A-2816

FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; CURRENT FILING DATE: 2005-02-17  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 17  
; LENGTH: 379  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
US-11-060-029-17

Query Match 93.4%; Score 85; DB 7; Length 379;  
Best Local Similarity 94.7%; Pred. No. 3.4e-07;  
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 RRRYDALNVLMAMNISK 19  
DB 181 RRRYDALNVLMAMNISK 199

RESULT 8  
US-11-060-029-23  
; Sequence 23, Application US/11060029  
; Publication No. US20050268358A1  
; GENERAL INFORMATION:  
; APPLICANT: CropDesign N.V.  
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
; FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; CURRENT FILING DATE: 2005-02-17  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 23  
; LENGTH: 353  
; TYPE: PRT  
; ORGANISM: Populus tremula x Populus tremuloides  
US-11-060-029-23

Query Match 91.2%; Score 83; DB 7; Length 353;  
Best Local Similarity 89.5%; Pred. No. 6.9e-07;  
Matches 17; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNVLMAMNISK 19  
DB 155 RRRYDALNVLMAMNISK 173

RESULT 9  
US-11-096-568A-2816  
; Sequence 2816, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nikolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 2816  
; LENGTH: 384  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)..(384)  
; OTHER INFORMATION: Ceres Seq. ID no. 12610325  
US-11-096-568A-2816

Query Match 63.7%; Score 58; DB 7; Length 384;  
Best Local Similarity 61.1%; Pred. No. 0.016;  
Matches 11; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

```
QY      2 RRYVDALNVLMANNIISK 19
      ||:|||||:|||||
Db      206 RRLYDIANVLSSMNLIEK 223

RESULT 10
US-11-096-568A-2817
; Sequence 2817, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; LENGTH: 384
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(384)
; OTHER INFORMATION: Ceres Seq. ID no. 16625362
US-11-096-568A-2817

Query Match      63.7%; Score 58; DB 7; Length 384;
Best Local Similarity 61.1%; Pred. No. 0.016;
Matches 11; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY      2 RRYVDALNVLMANNIISK 19
      ||:|||||:|||||
Db      206 RRLYDIANVLSSMNLIEK 223

RESULT 11
US-11-096-568A-2815
; Sequence 2815, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 2815
; LENGTH: 385
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(385)
; OTHER INFORMATION: Ceres Seq. ID no. 12610324
US-11-096-568A-2815

Query Match      63.7%; Score 58; DB 7; Length 385;
Best Local Similarity 61.1%; Pred. No. 0.016;
Matches 11; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY      2 RRYVDALNVLMANNIISK 19
      ||:|||||:|||||
Db      207 RRLYDIANVLSSMNLIEK 224

RESULT 12
US-10-967-648A-14
; Sequence 14, Application US/10967648A
; Publication No. US20050245473A1
; GENERAL INFORMATION:

; APPLICANT: Saunders, Nicholas A
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
; FILE REFERENCE: 12493972
; CURRENT APPLICATION NUMBER: US/10/967,648A
; CURRENT FILING DATE: 2004-10-15
; PRIOR APPLICATION NUMBER: USSN 60/512010
; PRIOR FILING DATE: 2003-10-16
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 14
; LENGTH: 904
; TYPE: PRT
; ORGANISM: Mouse
US-10-967-648A-14

Query Match      63.7%; Score 58; DB 6; Length 904;
Best Local Similarity 47.4%; Pred. No. 0.045;
Matches 9; Conservative 8; Mismatches 2; Indels 0; Gaps 0;

QY      1 RRYVDALNVLMANNIISK 19
      ||:|||||:|||||
Db      184 RRLYDIANVLSSMNLIEK 202

RESULT 13
US-11-096-568A-20252
; Sequence 20252, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 20252
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(207)
; OTHER INFORMATION: Ceres Seq. ID no. 12381059
US-11-096-568A-20252

Query Match      60.4%; Score 55; DB 7; Length 207;
Best Local Similarity 55.6%; Pred. No. 0.026;
Matches 10; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY      2 RRYVDALNVLMANNIISK 19
      ||:|||||:|||||
Db      30 RRLYDIANVLSSMNLIEK 47

RESULT 14
US-11-096-568A-20251
; Sequence 20251, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 20251
; LENGTH: 278
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
```

NAME/KEY: misc\_feature  
LOCATION: (1)..(278)  
OTHER INFORMATION: Ceres Seq. ID no. 12381058  
US-11-096-568A-20251

Query Match 60.4%; Score 55; DB 7; Length 278;  
Best Local Similarity 55.6%; Pred. No. 0.037;  
Matches 10; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy 2 RRVYDALNVLMANNIISK 19  
Db 101 RRLYDIANVLSTLNIERK 118

RESULT 15  
US-11-096-568A-20250  
Sequence 20250, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
FILE REFERENCE: 2750-1592PUS2  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 20250  
LENGTH: 287  
TYPE: PRT  
ORGANISM: Zea mays subsp. mays  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(287)  
OTHER INFORMATION: Ceres Seq. ID no. 12381057  
US-11-096-568A-20250

Query Match 60.4%; Score 55; DB 7; Length 287;  
Best Local Similarity 55.6%; Pred. No. 0.038;  
Matches 10; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy 2 RRVYDALNVLMANNIISK 19  
Db 110 RRLYDIANVLSTLNIERK 127

RESULT 16  
US-11-096-568A-18168  
Sequence 18168, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
FILE REFERENCE: 2750-1592PUS2  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 18168  
LENGTH: 425  
TYPE: PRT  
ORGANISM: Zea mays subsp. mays  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(425)  
OTHER INFORMATION: Ceres Seq. ID no. 12363306  
US-11-096-568A-18168

Query Match 60.4%; Score 55; DB 7; Length 425;  
Best Local Similarity 55.6%; Pred. No. 0.061;  
Matches 10; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy 2 RRVYDALNVLMANNIISK 19  
Db 110 RRLYDIANVLSTLNIERK 127

Db 232 RRLYDIANVLSTLNIERK 249

RESULT 17  
US-11-096-568A-18167  
Sequence 18167, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
FILE REFERENCE: 2750-1592PUS2  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 18167  
LENGTH: 444  
TYPE: PRT  
ORGANISM: Zea mays subsp. mays  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(444)  
OTHER INFORMATION: Ceres Seq. ID no. 12363305  
US-11-096-568A-18167

Query Match 60.4%; Score 55; DB 7; Length 444;  
Best Local Similarity 55.6%; Pred. No. 0.064;  
Matches 10; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy 2 RRVYDALNVLMANNIISK 19  
Db 251 RRLYDIANVLSTLNIERK 268

RESULT 18  
US-11-096-568A-18166  
Sequence 18166, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
FILE REFERENCE: 2750-1592PUS2  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 18166  
LENGTH: 515  
TYPE: PRT  
ORGANISM: Zea mays subsp. mays  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(515)  
OTHER INFORMATION: Ceres Seq. ID no. 12363304  
US-11-096-568A-18166

Query Match 60.4%; Score 55; DB 7; Length 515;  
Best Local Similarity 55.6%; Pred. No. 0.077;  
Matches 10; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy 2 RRVYDALNVLMANNIISK 19  
Db 322 RRLYDIANVLSTLNIERK 339

RESULT 19  
US-10-863-093-5  
Sequence 5, Application US/10863093  
Publication No. US20050268081A1  
GENERAL INFORMATION:  
APPLICANT: Andrews, William H.  
APPLICANT: Foster, Christopher A.  
APPLICANT: Fraser, Stephanie

```
APPLICANT: Mohammadpour, Hamid
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR MODULATING
FILE REFERENCE: SIER-005
CURRENT APPLICATION NUMBER: US/10/863,093
PRIOR FILING DATE: 2004-06-08
PRIOR APPLICATION NUMBER: US/09/932,581
PRIOR FILING DATE: 2001-08-17
PRIOR APPLICATION NUMBER: 60/227,865
PRIOR FILING DATE: 2000-08-24
PRIOR APPLICATION NUMBER: 60/230,174
PRIOR FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: 60/238,345
NUMBER OF SEQ ID NOS: 25
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 5
LENGTH: 85
TYPE: PRT
ORGANISM: human
US-10-863-093-5
```

```
Query Match      56.0%; Score 51; DB 6; Length 85;
Best Local Similarity 47.4%; Pred. No. 0.045;
Matches 9; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
```

```
QY      1 RRRVDAALVLMAMNIISK 19
      :||:| | | | :||:|
Db      55 KRRIYDITNVLBGIQLIAK 73
```

```
RESULT 20
US-10-967-648A-16
; Sequence 16, Application US/10967648A
; Publication No. US20050245473A1
; GENERAL INFORMATION:
; APPLICANT: Saunders, Nicholas A
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
; FILE REFERENCE: 12493972
; CURRENT APPLICATION NUMBER: US/10/967,648A
; CURRENT FILING DATE: 2004-10-15
; PRIOR APPLICATION NUMBER: USSN 60/512010
; PRIOR FILING DATE: 2003-10-16
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 16
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Human
US-10-967-648A-16
```

```
Query Match      56.0%; Score 51; DB 6; Length 121;
Best Local Similarity 47.4%; Pred. No. 0.068;
Matches 9; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
```

```
QY      1 RRRVDAALVLMAMNIISK 19
      :||:| | | | :||:|
Db      50 KRRIYDITNVLBGIQLIAK 68
```

```
RESULT 21
US-10-967-648A-10
; Sequence 10, Application US/10967648A
; Publication No. US20050245473A1
; GENERAL INFORMATION:
; APPLICANT: Saunders, Nicholas A
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
; FILE REFERENCE: 12493972
; CURRENT APPLICATION NUMBER: US/10/967,648A
; CURRENT FILING DATE: 2004-10-15
; PRIOR APPLICATION NUMBER: USSN 60/512010
```

```
PRIOR FILING DATE: 2003-10-16
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn version 3.3
SEQ ID NO 10
LENGTH: 346
TYPE: PRT
ORGANISM: Human
US-10-967-648A-10
```

```
Query Match      56.0%; Score 51; DB 6; Length 346;
Best Local Similarity 47.4%; Pred. No. 0.24;
Matches 9; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
```

```
QY      1 RRRVDAALVLMAMNIISK 19
      :||:| | | | :||:|
Db      88 KRRIYDITNVLBGIQLIAK 106
```

```
RESULT 22
US-11-096-568A-19243
; Sequence 19243, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 19243
; LENGTH: 367
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(367)
; OTHER INFORMATION: Ceres Seq. ID no. 12369793
US-11-096-568A-19243
```

```
Query Match      56.0%; Score 51; DB 7; Length 367;
Best Local Similarity 47.4%; Pred. No. 0.25;
Matches 9; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
```

```
QY      1 RRRVDAALVLMAMNIISK 19
      :||:| | | | :||:|
Db      128 KRRIYDITNVLBGIQLIAK 146
```

```
RESULT 23
US-10-967-648A-2
; Sequence 2, Application US/10967648A
; Publication No. US20050245473A1
; GENERAL INFORMATION:
; APPLICANT: Saunders, Nicholas A
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
; FILE REFERENCE: 12493972
; CURRENT APPLICATION NUMBER: US/10/967,648A
; CURRENT FILING DATE: 2004-10-15
; PRIOR APPLICATION NUMBER: USSN 60/512010
; PRIOR FILING DATE: 2003-10-16
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2
; LENGTH: 437
; TYPE: PRT
; ORGANISM: Human
US-10-967-648A-2
```

```
Query Match      56.0%; Score 51; DB 6; Length 437;
Best Local Similarity 47.4%; Pred. No. 0.31;
Matches 9; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
```



```
Qy      1 RRRVYDALNVLAMNITISK 19
          :||:||||| : :||:|
Db      164 KRRIVDITNVLEGIQIAK 182
```

```

1  RESULT 24
2  US-10-967-648A-6
3  ; Sequence 6, Application US/10967648A
4  ; Publication No. US20050245473A1
5  ; GENERAL INFORMATION:
6  ; APPLICANT: Saunders, Nicholas A
7  ; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
8  ; TITLE OR INVENTION: therefor
9  ; FILE REFERENCE: 12493572
10 ; CURRENT APPLICATION NUMBER: US/10/967,648A
11 ; CURRENT FILING DATE: 2004-10-15
12 ; PRIOR APPLICATION NUMBER: USSN 60/512010
13 ; PRIOR FILING DATE: 2003-10-16
14 ; NUMBER OF SEQ ID NOS: 16
15 ; SOFTWARE: PatentIn version 3.3
16 ; SEQ ID NO 6
17 ; LENGTH: 465
18 ; TYPE: PRN
19 ; ORGANISM: Human
20 ; US-10-967-648A-6

```

```

Query Match          56.0%; Score 51; DB 6; Length 465;
Best Local Similarity 47.4%; Pred. No. 0.33;
Matches 9; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY      1 RRRVYDALNTVMANNISK 19
      :|:|:| | | | | | | |
Db      215 KRRYIDITNVLEGVHLIKK 233

RESULT 25
US-11-096-568A-19242
; Sequence 19242, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OR INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; TITLE OR INVENTION: Therby
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ. ID NOS: 34471
; SEQ ID NO 19242
; LENGTH: 468
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(468)
; OTHER INFORMATION: Ceres Seq. ID no. 12369792
US-11-096-568A-19242

Query Match          56.0%; Score 51; DB 7; Length 468;
Best Local Similarity 47.4%; Pred. No. 0.34;
Matches 9; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY      1 RRRVYDALNTVMANNISK 19
      :|:|:| | | | | | | |
Db      229 KRRYIDITNVLEGVHLIKK 247

RESULT 26
US-11-096-568A-19241
; Sequence 19241, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.

```

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? TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
?
? TITLE OF INVENTION: Thebly
?
? FILE REFERENCE: 2750-1592PUS2
?
? CURRENT APPLICATION NUMBER: US/11/096,568A
?
? CURRENT FILING DATE: 2005-04-01
?
? NUMBER OF SEQ ID NOS: 34471
?
? SEQ ID NO 19241
?
? LENGTH: 488
?
? TYPE: PRT
?
? ORGANISM: Zea mays subsp. mays
?
? FEATURES:
?
? NAME/KEY: misc_feature
?
? LOCATION: (1)..(488)
?
? OTHER INFORMATION: Ceres Seq. ID no. 12365791
?
US-11-096-568A-19241

```

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RESULT 27
US-10-863-093-6
; Sequence 6, Application US/10863093
; Publication No. US20050263081A1
; GENERAL INFORMATION:
; APPLICANT: Andrews, William H.
; APPLICANT: Foster, Christopher A.
; APPLICANT: Fraser, Stephanie
; APPLICANT: Mohammadpour, Hamid
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR MODULATING
; TITLE OF INVENTION: TELOMERASE REVERSE TRANSCRIPTASE (TERT) EXPRESSION
; FILE REFERENCE: SIER-005
; CURRENT APPLICATION NUMBER: US/10/863,093
; CURRENT FILING DATE: 2004-06-08
; PRIOR APPLICATION NUMBER: US/09/932,581
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: 60/227,865
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 60/230,174
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/238,345
; PRIOR FILING DATE: 2000-10-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 76
; TYPE: PRT
; ORGANISM: human
US-10-863-093-6

Query Match          54.9%; Score 50; DB 6; Length 76;
Best Local Similarity 47.4%; Pred. No. 0.059;
Matches 9; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY      1 RRRVYDALNTVIMANNIISK 19
      :|:|:| | | | : | |
Db      45 KRRYIDYTNVLEGIGLIEK 63

RESULT 28
US-10-888-613B-90
; Sequence 90, Application US/10888613B
; Publication No. US20060008911A1
; GENERAL INFORMATION:
; APPLICANT: Donald Danforth Plant Science Center
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REGULATING GENE EXPRESSION IN PLANT
; FILE REFERENCE: 0104850

```

```
/ CURRENT APPLICATION NUMBER: US/10/888,613B
/ CURRENT FILING DATE: 2004-07-09
/ NUMBER OF SEQ ID NOS: 93
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 90
/ LENGTH: 76
/ TYPE: PRT
/ ORGANISM: Artificial
/ FEATURE:
/ OTHER INFORMATION: This sequence was artificially derived and/or created by the
/ US-10-888-613B-90

Query Match          54.9%; Score 50; DB 6; Length 76;
Best Local Similarity 47.4%; Pred. No. 0.059;
Matches 9; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMANNISK 19
   :||:|||||:|:|
Db 45 KRRYDITNVLEGIGLIEK 63

RESULT 29
US-10-967-648A-12
/ Sequence 12, Application US/10967648A
/ Publication No. US20050245473A1
/ GENERAL INFORMATION:
/ APPLICANT: Saunders, Nicholas A
/ TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
/ FILE REFERENCE: 12493972
/ CURRENT APPLICATION NUMBER: US/10/967,648A
/ CURRENT FILING DATE: 2004-10-15
/ PRIOR APPLICATION NUMBER: USSN 60/512010
/ PRIOR FILING DATE: 2003-10-16
/ NUMBER OF SEQ ID NOS: 16
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 12
/ LENGTH: 281
/ TYPE: PRT
/ ORGANISM: Human
/ US-10-967-648A-12

Query Match          54.9%; Score 50; DB 6; Length 281;
Best Local Similarity 47.4%; Pred. No. 0.26;
Matches 9; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMANNISK 19
   :||:|||||:|:|
Db 100 KRRYDITNVLDGIDLVEK 118

RESULT 30
US-11-096-568A-20332
/ Sequence 20332, Application US/11096568A
/ Publication No. US20060048240A1
/ GENERAL INFORMATION:
/ APPLICANT: Alexandrov, Nikolai et al.
/ TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
/ FILE REFERENCE: 2750-1592PUS2
/ CURRENT APPLICATION NUMBER: US/11/096,568A
/ CURRENT FILING DATE: 2005-04-01
/ NUMBER OF SEQ ID NOS: 34471
/ SEQ ID NO 20332
/ LENGTH: 362
/ TYPE: PRT
/ ORGANISM: Zea mays subsp. mays
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)..(362)
/ OTHER INFORMATION: Ceres Seq. ID no. 12381524
/ US-11-096-568A-20332

Query Match          54.9%; Score 50; DB 7; Length 362;
Best Local Similarity 47.4%; Pred. No. 0.37;
Matches 9; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMANNISK 19
   :||:|||||:|:|
Db 82 KRRYDITNVLEGIGLIEK 100

RESULT 31
US-11-096-568A-3066
/ Sequence 3066, Application US/11096568A
/ Publication No. US20060048240A1
/ GENERAL INFORMATION:
/ APPLICANT: Alexandrov, Nikolai et al.
/ TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
/ FILE REFERENCE: 2750-1592PUS2
/ CURRENT APPLICATION NUMBER: US/11/096,568A
/ CURRENT FILING DATE: 2005-04-01
/ NUMBER OF SEQ ID NOS: 34471
/ SEQ ID NO 3066
/ LENGTH: 398
/ TYPE: PRT
/ ORGANISM: Glycine max
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)_(398)
/ OTHER INFORMATION: Ceres Seq. ID no. 15172413
/ US-11-096-568A-3066

Query Match          54.9%; Score 50; DB 7; Length 398;
Best Local Similarity 47.4%; Pred. No. 0.42;
Matches 9; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMANNISK 19
   :||:|||||:|:|
Db 117 KRRYDITNVLEGIGLIEK 135

RESULT 32
US-10-967-648A-8
/ Sequence 8, Application US/10967648A
/ Publication No. US20050245473A1
/ GENERAL INFORMATION:
/ APPLICANT: Saunders, Nicholas A
/ TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
/ FILE REFERENCE: 12493972
/ CURRENT APPLICATION NUMBER: US/10/967,648A
/ CURRENT FILING DATE: 2004-10-15
/ PRIOR APPLICATION NUMBER: USSN 60/512010
/ PRIOR FILING DATE: 2003-10-16
/ NUMBER OF SEQ ID NOS: 16
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 8
/ LENGTH: 413
/ TYPE: PRT
/ ORGANISM: Human
/ US-10-967-648A-8

Query Match          54.9%; Score 50; DB 6; Length 413;
Best Local Similarity 47.4%; Pred. No. 0.43;
Matches 9; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMANNISK 19
   :||:|||||:|:|
Db 55 KRRYDITNVLEGIGLIEK 73

RESULT 33
US-11-096-568A-20331
```

```
; Sequence 20331, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 20331
; LENGTH: 464
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(464)
; OTHER INFORMATION: Ceres Seq. ID no. 12381523
US-11-096-568A-20331

Query Match          54.9%; Score 50; DB 7; Length 464;
Best Local Similarity 47.4%; Pred. No. 0.5;
Matches 9; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY 1 RRRVYDALNTVMAMNISK 19
Db 184 KRRIVDTNVLEGIIGLEK 202

RESULT 34
US-11-096-568A-3065
; Sequence 3065, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 3065
; LENGTH: 466
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(466)
; OTHER INFORMATION: Ceres Seq. ID no. 15172412
US-11-096-568A-3065

Query Match          54.9%; Score 50; DB 7; Length 466;
Best Local Similarity 47.4%; Pred. No. 0.5;
Matches 9; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY 1 RRRVYDALNTVMAMNISK 19
Db 185 KRRIVDTNVLEGIIGLEK 203

RESULT 35
US-11-096-568A-3067
; Sequence 3067, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 3067
```

```
; LENGTH: 466
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(466)
; OTHER INFORMATION: Ceres Seq. ID no. 16625551
US-11-096-568A-3067

Query Match          54.9%; Score 50; DB 7; Length 466;
Best Local Similarity 47.4%; Pred. No. 0.5;
Matches 9; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY 1 RRRVYDALNTVMAMNISK 19
Db 185 KRRIVDTNVLEGIIGLEK 203

RESULT 36
US-11-096-568A-3064
; Sequence 3064, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 3064
; LENGTH: 528
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(528)
; OTHER INFORMATION: Ceres Seq. ID no. 15172411
US-11-096-568A-3064

Query Match          54.9%; Score 50; DB 7; Length 528;
Best Local Similarity 47.4%; Pred. No. 0.58;
Matches 9; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY 1 RRRVYDALNTVMAMNISK 19
Db 247 KRRIVDTNVLEGIIGLEK 265

RESULT 37
US-11-096-568A-20330
; Sequence 20330, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 20330
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(545)
; OTHER INFORMATION: Ceres Seq. ID no. 12381522
US-11-096-568A-20330

Query Match          54.9%; Score 50; DB 7; Length 545;
Best Local Similarity 47.4%; Pred. No. 0.6;
```

Matches 9, Conservative 4, Mismatches 6, Indels 0, Gaps 0,  
Qy 1 RRRYDALNTVMANNISK 19  
Db 265 KRRYDITNTVLEGIQLRK 283

RESULT 38  
US-10-967-648A-4  
; Sequence 4, Application US/10967648A  
; Publication No. US20050245473A1  
; GENERAL INFORMATION:  
; APPLICANT: Saunders, Nicholas A  
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses  
; FILE REFERENCE: 12493972  
; CURRENT APPLICATION NUMBER: US/10/967,648A  
; PRIOR FILING DATE: 2004-10-15  
; PRIOR APPLICATION NUMBER: USSN 60/512010  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 4  
; LENGTH: 437  
; TYPE: PRT  
; ORGANISM: Human  
US-10-967-648A-4

Query Match 53.8%; Score 49; DB 6; Length 437;  
Best Local Similarity 47.4%; Pred. No. 0.69;  
Matches 9, Conservative 4, Mismatches 6, Indels 0, Gaps 0,

Qy 1 RRRYDALNTVMANNISK 19  
Db 166 KRRYDITNTVLEGIQLRK 184

RESULT 39  
US-10-467-657-22  
; Sequence 22, Application US/10467657  
; Publication No. US20050260581A1  
; GENERAL INFORMATION:  
; APPLICANT: CHIRON SpA  
; APPLICANT: FONTANA Maria Rita  
; APPLICANT: PIZZA Mariagrazia  
; APPLICANT: MASIGNANI Vega  
; APPLICANT: MONACI Elisabetta  
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/10/467,657  
; CURRENT FILING DATE: 2003-08-11  
; PRIOR APPLICATION NUMBER: GB-0103424.8  
; PRIOR FILING DATE: 2001-02-12  
; NUMBER OF SEQ ID NOS: 9218  
; SOFTWARE: SeqWin99, version 1.04  
; SEQ ID NO 22  
; LENGTH: 161  
; TYPE: PRT  
; ORGANISM: Neisseria gonorrhoeae  
US-10-467-657-22

Query Match 45.6%; Score 41.5; DB 6; Length 161;  
Best Local Similarity 50.0%; Pred. No. 4.2;  
Matches 9, Conservative 5, Mismatches 3, Indels 1, Gaps 1,

Qy 2 RRRYDALNTVMANNISK 19  
Db 6 RRYDAVNTV-RQLNRISK 22

RESULT 40  
US-10-467-657-6198  
; Sequence 6198, Application US/10467657

; Publication No. US20050260581A1  
; GENERAL INFORMATION:  
; APPLICANT: CHIRON SpA  
; APPLICANT: FONTANA Maria Rita  
; APPLICANT: PIZZA Mariagrazia  
; APPLICANT: MASIGNANI Vega  
; APPLICANT: MONACI Elisabetta  
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/10/467,657  
; CURRENT FILING DATE: 2003-08-11  
; PRIOR APPLICATION NUMBER: GB-0103424.8  
; PRIOR FILING DATE: 2001-02-12  
; NUMBER OF SEQ ID NOS: 9218  
; SOFTWARE: SeqWin99, version 1.04  
; SEQ ID NO 6198  
; LENGTH: 161  
; TYPE: PRT  
; ORGANISM: Neisseria gonorrhoeae  
US-10-467-657-6198

Query Match 45.6%; Score 41.5; DB 6; Length 161;  
Best Local Similarity 50.0%; Pred. No. 4.2;  
Matches 9, Conservative 5, Mismatches 3, Indels 1, Gaps 1,

Qy 2 RRRYDALNTVMANNISK 19  
Db 6 RRYDAVNTV-RQLNRISK 22

RESULT 41  
US-10-778-636-3  
; Sequence 3, Application US/10778636  
; Publication No. US20060029606A1  
; GENERAL INFORMATION:  
; APPLICANT: Mascarenhas, Desmond  
; TITLE OF INVENTION: Method for Use of IGF-Binding Protein  
; FILE REFERENCE: 51490200100  
; CURRENT APPLICATION NUMBER: US/10/778,636  
; CURRENT FILING DATE: 2004-02-13  
; PRIOR APPLICATION NUMBER: US/09/956,508  
; PRIOR FILING DATE: 2001-09-18  
; PRIOR APPLICATION NUMBER: 60/233,840  
; PRIOR FILING DATE: 2000-09-19  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: PastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 264  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-10-778-636-3

Query Match 44.0%; Score 40; DB 6; Length 264;  
Best Local Similarity 44.4%; Pred. No. 14;  
Matches 8, Conservative 4, Mismatches 6, Indels 0, Gaps 0,

Qy 1 RRRYDALNTVMANNISK 18  
Db 187 RRMEDTNTVLEGIQLRK 204

RESULT 42  
US-10-778-636-4  
; Sequence 4, Application US/10778636  
; Publication No. US20060029606A1  
; GENERAL INFORMATION:  
; APPLICANT: Mascarenhas, Desmond  
; TITLE OF INVENTION: Method for Use of IGF-Binding Protein  
; FILE REFERENCE: 51490200100  
; CURRENT APPLICATION NUMBER: US/10/778,636  
; CURRENT FILING DATE: 2004-02-13

PRIOR APPLICATION NUMBER: US/09/956,508  
PRIOR FILING DATE: 2001-09-18  
PRIOR APPLICATION NUMBER: 60/233,840  
PRIOR FILING DATE: 2000-09-19  
NUMBER OF SEQ ID NOS: 4  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 4  
LENGTH: 264  
TYPE: PRT  
ORGANISM: Homo sapien  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: (1)...(264)  
OTHER INFORMATION: [N109D]-higFBP-3 derivative. A non-naturally  
US-10-778-636-4

Query Match 44.0%; Score 40; DB 6; Length 264;  
Best Local Similarity 44.4%; Pred. No. 14;  
Matches 8; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY 1 RRRYDALNVLMMNIIS 18  
Db 187 RREMEDTLNHLKFLNVLIS 204

## RESULT 43

US-11-072-512-3046  
Sequence 3046, Application US/11072512  
Publication No. US2006029945A1  
GENERAL INFORMATION:  
APPLICANT: ISOGAI, TAKAO  
APPLICANT: SUGIYAMA, TOMOYASU  
APPLICANT: OTSUKI, TETSUJI  
APPLICANT: WAKAMATSU, AI  
APPLICANT: SATO, HIROYUKI  
APPLICANT: ISHII, SHIZUKO  
APPLICANT: YAMAMOTO, JUN-ICHI  
APPLICANT: ISONO, YUUKO  
APPLICANT: HIO, YURI  
APPLICANT: OTSUKA, KAORU  
APPLICANT: NAGAI, KEIICHI  
APPLICANT: IRIE, RYOTARO  
APPLICANT: TAMECHIKA, ICHIRO  
APPLICANT: SEKI, NAOHITO  
APPLICANT: YOSHIKAWA, TSUTOMU  
APPLICANT: OTSUKA, MOTYUKI  
APPLICANT: NAGAHARI, KENJI  
APPLICANT: MASUHO, YASUHIKO  
TITLE OF INVENTION: Novel full length cDNA  
FILE REFERENCE: 084335-0191  
CURRENT APPLICATION NUMBER: US/11/072,512  
CURRENT FILING DATE: 2005-03-07  
PRIOR APPLICATION NUMBER: US 60/350,978  
PRIOR FILING DATE: 2002-01-25  
PRIOR APPLICATION NUMBER: JP 2001-379298  
PRIOR FILING DATE: 2001-11-05  
NUMBER OF SEQ ID NOS: 4096  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 3046  
LENGTH: 277  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-11-072-512-3046

Query Match 44.0%; Score 40; DB 7; Length 277;  
Best Local Similarity 44.4%; Pred. No. 15;  
Matches 8; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY 1 RRRYDALNVLMMNIIS 18  
Db 200 RREMEDTLNHLKFLNVLIS 217

RESULT 44  
US-10-821-234-1560  
Sequence 1560, Application US/10821234  
Publication No. US20050255114A1  
GENERAL INFORMATION:  
APPLICANT: Labat, Ivan  
APPLICANT: Stache-Crain, Birgit  
APPLICANT: Andarmant, Susan  
APPLICANT: Tang, Y. Tom  
TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia  
FILE REFERENCE: 821A  
CURRENT APPLICATION NUMBER: US/10/821,234  
CURRENT FILING DATE: 2004-04-07  
PRIOR APPLICATION NUMBER: US 60/462,047  
PRIOR FILING DATE: 2003-04-07  
NUMBER OF SEQ ID NOS: 1704  
SOFTWARE: PC\_SEQ\_genes Version 1.0  
SEQ ID NO 1560  
LENGTH: 291  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-821-234-1560

Query Match 44.0%; Score 40; DB 6; Length 291;  
Best Local Similarity 44.4%; Pred. No. 16;  
Matches 8; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY 1 RRRYDALNVLMMNIIS 18  
Db 214 RREMEDTLNHLKFLNVLIS 231

## RESULT 45

US-11-087-099-977  
Sequence 977, Application US/11087099  
Publication No. US20060041961A1  
GENERAL INFORMATION:  
APPLICANT: Abad, Mark S. et al.  
TITLE OF INVENTION: Genes and Uses for Plant Improvement  
FILE REFERENCE: 38-21(53450)B EP  
CURRENT APPLICATION NUMBER: US/11/087,099  
CURRENT FILING DATE: 2005-03-22  
NUMBER OF SEQ ID NOS: 12464  
SEQ ID NO 977  
LENGTH: 344  
TYPE: PRT  
ORGANISM: Oryza sativa  
FEATURE:  
NAME/KEY: unsure  
LOCATION: (1)...(344)  
OTHER INFORMATION: unsure at all Xaa locations  
US-11-087-099-977

Query Match 41.8%; Score 38; DB 7; Length 344;  
Best Local Similarity 80.0%; Pred. No. 42;  
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 RRRYDALNVL 11  
Db 252 RRRYDALNVL 261

RESULT 46  
US-11-087-099-11022  
Sequence 11022, Application US/11087099  
Publication No. US20060041961A1  
GENERAL INFORMATION:  
APPLICANT: Abad, Mark S. et al.  
TITLE OF INVENTION: Genes and Uses for Plant Improvement  
FILE REFERENCE: 38-21(53450)B EP  
CURRENT APPLICATION NUMBER: US/11/087,099  
CURRENT FILING DATE: 2005-03-22

Query Match 44.0%; Score 40; DB 6; Length 291;  
Best Local Similarity 44.4%; Pred. No. 16;  
Matches 8; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

/ NUMBER OF SEQ ID NOS: 12464  
/ SEQ ID NO 11022  
/ LENGTH: 435  
/ TYPE: PRT  
/ ORGANISM: Triticum aestivum  
/ FEATURE:  
/ NAME/KEY: unsure  
/ LOCATION: (1)..(435)  
/ OTHER INFORMATION: unsure at all Xaa locations  
US-11-087-099-11022

Query Match 41.8%; Score 38; DB 7; Length 435;  
Best Local Similarity 50.0%; Pred. No. 55;  
Matches 10; Conservative 4; Mismatches 4; Indels 2; Gaps 1;

QY 1 RRRYDALNTVMA--NNIIS 18  
DB 303 RRIYFDLVNRIIAQNNIYS 322

RESULT 47  
US-11-087-099-7037  
/ Sequence 7037, Application US/11087099  
/ Publication No. US2006041961A1  
/ GENERAL INFORMATION:  
/ APPLICANT: Abad, Mark S. et al.  
/ TITLE OF INVENTION: Genes and Uses for Plant Improvement  
/ FILE REFERENCE: 38-21(53450)B EP  
/ CURRENT APPLICATION NUMBER: US/11/087,099  
/ CURRENT FILING DATE: 2005-03-22  
/ NUMBER OF SEQ ID NOS: 12464  
/ SEQ ID NO 7037  
/ LENGTH: 474  
/ TYPE: PRT  
/ ORGANISM: Oryza sativa (japonica cultivar-group)  
US-11-087-099-7037

Query Match 41.8%; Score 38; DB 7; Length 474;  
Best Local Similarity 80.0%; Pred. No. 61;  
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 RRYVDALNTVL 11  
DB 336 RRYVDATYVL 345

RESULT 48  
US-11-087-099-7585  
/ Sequence 7585, Application US/11087099  
/ Publication No. US2006041961A1  
/ GENERAL INFORMATION:  
/ APPLICANT: Abad, Mark S. et al.  
/ TITLE OF INVENTION: Genes and Uses for Plant Improvement  
/ FILE REFERENCE: 38-21(53450)B EP  
/ CURRENT APPLICATION NUMBER: US/11/087,099  
/ CURRENT FILING DATE: 2005-03-22  
/ NUMBER OF SEQ ID NOS: 12464  
/ SEQ ID NO 7585  
/ LENGTH: 474  
/ TYPE: PRT  
/ ORGANISM: Oryza sativa  
US-11-087-099-7585

Query Match 41.8%; Score 38; DB 7; Length 474;  
Best Local Similarity 80.0%; Pred. No. 61;  
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 RRYVDALNTVL 11  
DB 336 RRYVDATYVL 345

RESULT 49

US-11-087-099-9124  
/ Sequence 9124, Application US/11087099  
/ Publication No. US2006041961A1  
/ GENERAL INFORMATION:  
/ APPLICANT: Abad, Mark S. et al.  
/ TITLE OF INVENTION: Genes and Uses for Plant Improvement  
/ FILE REFERENCE: 38-21(53450)B EP  
/ CURRENT APPLICATION NUMBER: US/11/087,099  
/ CURRENT FILING DATE: 2005-03-22  
/ NUMBER OF SEQ ID NOS: 12464  
/ SEQ ID NO 9124  
/ LENGTH: 187  
/ TYPE: PRT  
/ ORGANISM: Glycine max  
US-11-087-099-9124

Query Match 40.7%; Score 37; DB 7; Length 187;  
Best Local Similarity 35.3%; Pred. No. 31;  
Matches 6; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMMNTII 17  
DB 60 RKLIYDVNDIIIAQKII 76

RESULT 50  
US-11-074-176-66  
/ Sequence 66, Application US/11074176  
/ Publication No. US20050250135A1  
/ GENERAL INFORMATION:  
/ APPLICANT: Klaenhammer, Todd R.  
/ APPLICANT: Russell, William M.  
/ APPLICANT: Altermann, Eric  
/ APPLICANT: McAnuliffe, Olivia  
/ APPLICANT: Perill, Andrea Azcarate  
/ TITLE OF INVENTION: Nucleic Acid Sequences Encoding  
/ TITLE OF INVENTION: Stress-Related Proteins and Uses Therefore  
/ FILE REFERENCE: 5051-694  
/ CURRENT APPLICATION NUMBER: US/11/074,176  
/ CURRENT FILING DATE: 2005-03-07  
/ PRIOR APPLICATION NUMBER: 60/551,161  
/ PRIOR FILING DATE: 2004-03-08  
/ NUMBER OF SEQ ID NOS: 361  
/ SOFTWARE: FastSeq for Windows Version 4.0  
/ SEQ ID NO 66  
/ LENGTH: 241  
/ TYPE: PRT  
/ ORGANISM: Lactobacillus acidophilus  
US-11-074-176-66

Query Match 40.7%; Score 37; DB 7; Length 241;  
Best Local Similarity 47.4%; Pred. No. 41;  
Matches 9; Conservative 2; Mismatches 8; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMMNTIISK 19  
DB 42 RETVYKRALNQLTALGIQK 60

Search completed: March 17, 2006, 21:19:22  
Job time : 25.5455 secs

GenCore version 5.1.7  
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## OM protein - protein search, using sw model

Run on: March 17, 2006, 21:13:09 ; Search time 128.25 Seconds

(without alignments)  
61.901 Million cell updates/sec

Title: US-09-900-147-3

Perfect score: 91  
1 RRRVYDALNTVMNITISK 19Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0  
Maximum DB seq length: 200000000Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 1000 summaries

Database : Published Applications\_AA\_Main:\*  
1: /cgn2\_6/ptodaca/1/pubppaa/US07\_PUBCOMB.pep:\*  
2: /cgn2\_6/ptodaca/1/pubppaa/US08\_PUBCOMB.pep:\*  
3: /cgn2\_6/ptodaca/1/pubppaa/US09\_PUBCOMB.pep:\*  
4: /cgn2\_6/ptodaca/1/pubppaa/US10\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodaca/1/pubppaa/US10B\_PUBCOMB.pep:\*  
6: /cgn2\_6/ptodaca/1/pubppaa/US11\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	91	100.0	19	3	US-09-900-147-3
2	91	100.0	37	3	US-09-900-147-1
3	91	100.0	74	4	US-10-214-188-10
4	91	100.0	149	5	US-10-450-763-15869
5	91	100.0	355	4	US-10-106-698-4846
6	91	100.0	424	5	US-10-450-763-58416
7	86	94.5	28	5	US-10-752-505-22
8	86	94.5	28	5	US-10-752-505-24
9	86	94.5	119	5	US-10-856-499-1157
10	86	94.5	120	5	US-10-856-499-1056
11	86	94.5	165	4	US-10-424-599-23473
12	86	94.5	207	4	US-10-425-114-71403
13	86	94.5	222	4	US-10-425-114-36974
14	86	94.5	301	4	US-10-425-115-972014
15	86	94.5	314	4	US-10-424-599-185947
16	86	94.5	318	4	US-10-437-963-166158
17	86	94.5	320	4	US-10-424-599-186648
18	86	94.5	365	5	US-10-739-930-6734
19	86	94.5	445	6	US-11-097-143-9348
20	85	93.4	263	4	US-10-437-963-167076
21	85	93.4	336	4	US-10-425-114-16555
22	85	93.4	341	4	US-10-425-115-186696
23	85	93.4	575	3	US-09-220-091-7
24	83	91.2	19	3	US-09-900-147-15
25	82	90.1	28	5	US-10-752-505-3
26	82	90.1	28	5	US-10-752-505-21
27	81	89.0	405	4	US-10-053-248-24

28	81	89.0	405	4	US-10-345-837-24	Sequence 24, Appl
29	79	86.8	19	3	US-09-900-147-17	Sequence 17, Appl
30	77	84.6	19	3	US-09-900-147-16	Sequence 16, Appl
31	76	83.5	16	3	US-09-900-147-5	Sequence 5, Appl
32	75	82.4	29	5	US-10-752-505-26	Sequence 26, Appl
33	73	80.2	232	5	US-10-489-500-4	Sequence 4, Appl
34	72	79.1	30	3	US-09-900-147-6	Sequence 6, Appl
35	70	76.9	250	4	US-10-425-115-188778	Sequence 188778, Appl
36	69	75.8	14	3	US-09-900-147-11	Sequence 11, Appl
37	69	75.8	359	4	US-10-437-963-136371	Sequence 136371, Appl
38	68	74.7	15	5	US-10-752-505-23	Sequence 23, Appl
39	67	73.6	185	5	US-10-450-763-35867	Sequence 35867, A
40	63	69.2	15	5	US-10-752-505-4	Sequence 4, Appl
41	58	63.7	36	3	US-09-864-761-45697	Sequence 45697, A
42	58	63.7	323	5	US-10-732-923-3274	Sequence 3274, Ap
43	58	63.7	346	4	US-10-310-154-448	Sequence 448, Ap
44	58	63.7	379	5	US-10-732-923-3273	Sequence 3273, Ap
45	58	63.7	381	4	US-10-425-114-40179	Sequence 40179, A
46	58	63.7	402	5	US-10-732-923-534	Sequence 534, Ap
47	58	63.7	403	5	US-10-732-923-3272	Sequence 3272, Ap
48	58	63.7	421	5	US-10-732-923-3265	Sequence 3265, Ap
49	58	63.7	878	5	US-10-732-923-3267	Sequence 3267, Ap
50	58	63.7	904	3	US-09-866-050A-672	Sequence 672, Ap
51	58	63.7	904	5	US-10-732-923-3266	Sequence 3266, Ap
52	58	63.7	904	5	US-10-732-923-3266	Sequence 3266, Ap
53	58	63.7	911	5	US-10-732-923-3290	Sequence 3290, Ap
54	58	63.7	985	5	US-10-732-923-3270	Sequence 3270, Ap
55	57	62.6	261	4	US-10-437-963-116711	Sequence 116711, A
56	57	62.6	261	5	US-10-732-923-3279	Sequence 3279, Ap
57	57	62.6	308	5	US-10-732-923-3268	Sequence 3268, Ap
58	57	62.6	867	4	US-10-177-74A-11	Sequence 11, Appl
59	57	62.6	881	5	US-10-732-923-3271	Sequence 3271, Ap
60	56	61.5	210	4	US-10-424-599-115352	Sequence 115352, A
61	56	61.5	805	4	US-10-108-605-113	Sequence 113, Ap
62	56	61.5	805	5	US-10-732-923-3425	Sequence 3425, Ap
63	56	61.5	805	5	US-10-732-923-3425	Sequence 3425, Ap
64	56	61.5	805	6	US-11-097-143-13704	Sequence 13704, A
65	55	60.4	144	4	US-10-424-599-247784	Sequence 247784, A
66	55	60.4	200	5	US-10-732-923-3278	Sequence 3278, Ap
67	55	60.4	297	4	US-10-389-566-865	Sequence 865, Ap
68	55	60.4	297	5	US-10-732-923-3283	Sequence 3283, Ap
69	55	60.4	315	4	US-10-425-115-347592	Sequence 347592, A
70	55	60.4	317	4	US-10-389-566-692	Sequence 692, Ap
71	55	60.4	317	5	US-10-732-923-3282	Sequence 3282, Ap
72	55	60.4	339	5	US-10-732-923-3276	Sequence 3276, Ap
73	55	60.4	354	5	US-10-732-923-3275	Sequence 3275, Ap
74	55	60.4	394	4	US-10-389-566-690	Sequence 690, Ap
75	55	60.4	394	5	US-10-732-923-3281	Sequence 3281, Ap
76	55	60.4	397	4	US-10-389-566-691	Sequence 691, Ap
77	55	60.4	397	5	US-10-732-923-3280	Sequence 3280, Ap
78	55	60.4	417	5	US-10-732-923-3286	Sequence 3286, Ap
79	55	60.4	444	4	US-10-425-115-345040	Sequence 345040, A
80	55	60.4	445	5	US-10-739-930-8006	Sequence 8006, Ap
81	55	60.4	444	4	US-10-389-566-435	Sequence 435, Ap
82	55	60.4	444	4	US-10-732-923-3285	Sequence 3285, Ap
83	54	59.3	11	3	US-09-900-147-9	Sequence 9, Appl
84	54	59.3	200	5	US-10-732-923-3284	Sequence 3284, Ap
85	54	59.3	657	5	US-10-732-923-3288	Sequence 3288, Ap
86	53	58.2	101	5	US-10-732-923-3288	Sequence 3288, Ap
87	53	58.2	196	5	US-10-732-923-3420	Sequence 3420, Ap
88	53	58.2	209	5	US-10-732-923-3260	Sequence 3260, Ap
89	53	58.2	282	5	US-10-732-923-3446	Sequence 3446, Ap
90	53	58.2	329	5	US-10-732-923-3277	Sequence 3277, Ap
91	53	58.2	499	4	US-10-437-963-166013	Sequence 166013, A
92	52	57.1	287	5	US-10-732-923-3422	Sequence 3422, Ap
93	52	57.1	412	5	US-10-732-923-3424	Sequence 3424, Ap
94	52	57.1	420	5	US-10-732-923-3423	Sequence 3423, Ap
95	51	56.0	20	3	US-09-900-147-4	Sequence 4, Appl
96	51	56.0	74	4	US-10-214-188-5	Sequence 5, Appl
97	51	56.0	74	4	US-10-214-188-7	Sequence 7, Appl
98	51	56.0	74	4	US-10-214-188-9	Sequence 9, Appl
99	51	56.0	76	4	US-10-029-586-29071	Sequence 29071, A
100	51	56.0	85	3	US-09-932-581-5	Sequence 5, Appl

101	51	56.0	85	4	US-10-165-614-2	Sequence 2, Appl1	174	50	54.9	421	5	US-10-732-923-3434	Sequence 3439, Ap
102	51	56.0	85	4	US-10-338-294-5	Sequence 5, Appl1	175	50	54.9	426	5	US-10-732-923-3399	Sequence 3399, Ap
103	51	56.0	85	4	US-10-863-075-5	Sequence 5, Appl1	176	50	54.9	431	5	US-10-732-923-3411	Sequence 3411, Ap
104	51	56.0	85	5	US-10-863-056-5	Sequence 5, Appl1	177	50	54.9	436	4	US-10-310-154-450	Sequence 450, App
105	51	56.0	114	4	US-10-767-701-48701	Sequence 48701, A	178	50	54.9	436	5	US-10-732-923-536	Sequence 536, App
106	51	56.0	141	4	US-10-767-701-52826	Sequence 52826, A	179	50	54.9	439	5	US-10-732-923-3412	Sequence 3412, Ap
107	51	56.0	300	5	US-10-732-923-3376	Sequence 3376, Ap	180	50	54.9	446	4	US-10-437-963-130201	Sequence 130201, A
108	51	56.0	334	5	US-10-732-923-3362	Sequence 3362, Ap	181	50	54.9	446	4	US-10-425-115-245966	Sequence 245966, A
109	51	56.0	334	5	US-10-732-923-3431	Sequence 3431, Ap	182	50	54.9	454	5	US-10-732-923-3388	Sequence 3388, Ap
110	51	56.0	335	4	US-10-214-188-4	Sequence 4, Appl1	183	50	54.9	458	5	US-10-732-923-3418	Sequence 3418, Ap
111	51	56.0	335	5	US-10-732-923-3361	Sequence 3361, Ap	184	50	54.9	469	5	US-10-732-923-3392	Sequence 3392, Ap
112	51	56.0	335	5	US-10-732-923-3363	Sequence 3363, Ap	185	50	54.9	469	5	US-10-732-923-3394	Sequence 3394, Ap
113	51	56.0	335	5	US-10-732-923-3364	Sequence 3364, Ap	186	50	54.9	480	5	US-10-732-923-3419	Sequence 3419, Ap
114	51	56.0	345	3	US-09-919-97-61	Sequence 61, Appl1	187	49	53.8	764	4	US-10-214-188-6	Sequence 6, Appl1
115	51	56.0	345	5	US-10-732-923-3437	Sequence 3437, Ap	188	49	53.8	161	4	US-10-425-115-361188	Sequence 361188, A
116	51	56.0	346	4	US-10-214-188-2	Sequence 2, Appl1	189	49	53.8	181	5	US-10-732-923-3379	Sequence 3379, Ap
117	51	56.0	346	5	US-10-732-923-3438	Sequence 3438, Ap	190	49	53.8	189	5	US-10-732-923-3378	Sequence 3378, Ap
118	51	56.0	346	5	US-10-732-923-3439	Sequence 3439, Ap	191	49	53.8	193	5	US-10-732-923-3381	Sequence 3381, Ap
119	51	56.0	346	5	US-10-732-923-3360	Sequence 3360, Ap	192	49	53.8	193	5	US-10-732-923-3374	Sequence 3374, Ap
120	51	56.0	346	5	US-10-732-923-3372	Sequence 3372, Ap	193	49	53.8	201	5	US-10-732-923-3370	Sequence 3370, Ap
121	51	56.0	385	5	US-10-732-923-3380	Sequence 3380, Ap	194	49	53.8	272	5	US-10-732-923-3368	Sequence 3368, Ap
122	51	56.0	392	4	US-10-425-115-273956	Sequence 273956, A	195	49	53.8	272	5	US-10-732-923-3369	Sequence 3369, Ap
123	51	56.0	429	5	US-10-732-923-3429	Sequence 3429, Ap	196	49	53.8	272	5	US-10-732-923-3370	Sequence 3370, Ap
124	51	56.0	429	5	US-10-732-923-3428	Sequence 3428, Ap	197	49	53.8	437	5	US-10-732-923-3440	Sequence 3440, Ap
125	51	56.0	430	5	US-10-732-923-3373	Sequence 3373, Ap	198	49	53.8	443	5	US-10-732-923-3367	Sequence 3367, Ap
126	51	56.0	437	5	US-10-732-923-3443	Sequence 3443, Ap	199	48	52.7	413	5	US-10-732-923-3374	Sequence 3374, Ap
127	51	56.0	437	5	US-10-732-923-3445	Sequence 3445, Ap	200	48	52.7	319	4	US-10-732-923-3414	Sequence 3414, Ap
128	51	56.0	455	5	US-10-723-860-1265	Sequence 1265, Ap	201	47	51.6	198	5	US-10-732-923-3303	Sequence 180337, A
129	51	56.0	465	5	US-10-732-923-3432	Sequence 3432, Ap	202	47	51.6	607	4	US-10-732-923-3403	Sequence 3403, Ap
130	51	56.0	465	5	US-10-732-923-3433	Sequence 3433, Ap	203	45	49.5	29	5	US-10-752-505-1	Sequence 4521, Ap
131	51	56.0	465	5	US-10-756-149-5022	Sequence 5022, Ap	204	45	49.5	29	5	US-10-752-505-20	Sequence 1, Appl1
132	51	56.0	465	5	US-10-450-763-32115	Sequence 32115, A	205	44	48.4	196	4	US-10-424-599-275831	Sequence 20, Appl1
133	51	56.0	471	5	US-10-732-923-3410	Sequence 3410, Ap	206	44	48.4	307	5	US-10-732-923-137138	Sequence 275831, A
134	51	56.0	476	5	US-10-732-923-3444	Sequence 3444, Ap	207	44	48.4	4	US-10-437-963-137138	Sequence 3402, Ap	
135	51	56.0	483	5	US-10-489-500-20	Sequence 20, Appl1	208	44	48.4	430	4	US-10-369-493-12427	Sequence 137138, A
136	51	56.0	483	5	US-10-732-923-3389	Sequence 3389, Ap	209	43	47.3	259	4	US-10-425-115-273714	Sequence 12427, A
137	51	56.0	485	5	US-10-489-500-2	Sequence 2, Appl1	210	43	47.3	756	4	US-10-389-566-1970	Sequence 273714, A
138	51	56.0	485	5	US-10-732-923-3390	Sequence 3390, Ap	211	42.5	46.7	421	4	US-10-138-927-8	Sequence 1970, Ap
139	51	56.0	485	5	US-10-732-923-3391	Sequence 3391, Ap	212	42.5	46.7	421	4	US-10-138-927-7	Sequence 8, Appl1
140	51	56.0	484	4	US-10-437-963-200087	Sequence 200087, A	213	42.5	46.7	616	4	US-10-138-927-44	Sequence 44, Appl1
141	51	56.0	514	5	US-10-732-923-3396	Sequence 72577, A	214	42.5	46.7	616	4	US-10-430-011-44	Sequence 44, Appl1
142	51	56.0	514	5	US-10-732-923-3396	Sequence 3396, Ap	215	42	46.2	9	3	US-09-900-147-2	Sequence 2, Appl1
143	51	56.0	532	5	US-10-732-923-3395	Sequence 3395, Ap	216	42	46.2	304	5	US-10-617-320-3248	Sequence 3248, A
144	51	54.9	69	4	US-10-214-188-8	Sequence 8, Appl1	217	42	46.2	322	5	US-10-472-928-4764	Sequence 4764, Ap
145	50	54.9	76	3	US-09-932-581-6	Sequence 6, Appl1	218	42	46.2	339	3	US-09-815-242-13335	Sequence 13335, A
146	50	54.9	76	4	US-10-165-614-3	Sequence 6, Appl1	219	42	46.2	339	3	US-09-815-242-13635	Sequence 13635, A
147	50	54.9	76	4	US-10-338-294-6	Sequence 6, Appl1	220	42	46.2	339	4	US-10-282-122-73691	Sequence 73691, A
148	50	54.9	76	5	US-10-863-075-6	Sequence 6, Appl1	221	42	46.2	339	4	US-10-474-776-745	Sequence 73691, A
149	50	54.9	76	5	US-10-732-923-3448	Sequence 3448, Ap	222	42	46.2	543	4	US-10-425-114-52022	Sequence 7450, App
150	50	54.9	76	5	US-10-863-056-6	Sequence 6, Appl1	223	42	46.2	560	4	US-10-094-749-1838	Sequence 52022, A
151	50	54.9	115	5	US-10-732-923-3407	Sequence 3407, Ap	224	42	46.2	752	4	US-10-010-154-564	Sequence 1838, Ap
152	50	54.9	123	5	US-10-732-923-3406	Sequence 3406, Ap	225	42	46.2	752	5	US-10-310-154-564	Sequence 564, App
153	50	54.9	123	5	US-10-732-923-3413	Sequence 3413, Ap	226	41	45.1	172	4	US-10-437-963-194728	Sequence 437, App
154	50	54.9	128	5	US-10-732-923-3386	Sequence 3386, Ap	227	41	45.1	172	4	US-10-437-963-13556	Sequence 13556, A
155	50	54.9	158	5	US-10-424-599-275865	Sequence 275865, A	228	41	45.1	226	5	US-10-732-923-13556	Sequence 13556, A
156	50	54.9	259	4	US-10-732-923-3401	Sequence 3401, Ap	229	41	45.1	311	4	US-10-369-493-12447	Sequence 194741, A
157	50	54.9	275	5	US-10-732-923-3442	Sequence 3442, Ap	230	40	44.0	29	5	US-10-752-505-25	Sequence 12447, A
158	50	54.9	281	5	US-10-732-923-3430	Sequence 3430, Ap	231	40	44.0	77	4	US-10-424-599-176462	Sequence 176462, A
159	50	54.9	281	5	US-10-732-923-3441	Sequence 3441, Ap	232	40	44.0	175	4	US-10-767-701-31931	Sequence 31931, A
160	50	54.9	324	3	US-09-220-091-9	Sequence 9, Appl1	233	40	44.0	175	4	US-10-739-930-10902	Sequence 10902, A
161	50	54.9	331	5	US-10-732-923-3377	Sequence 3377, Ap	234	40	44.0	189	4	US-10-108-2604-3443	Sequence 3443, Ap
162	50	54.9	342	5	US-10-732-923-3421	Sequence 3421, Ap	235	40	44.0	199	4	US-10-424-599-240052	Sequence 240052, A
163	50	54.9	370	5	US-10-732-923-3427	Sequence 3427, Ap	236	40	44.0	202	3	US-09-925-301-1156	Sequence 1156, Ap
164	50	54.9	370	6	US-11-097-143-168	Sequence 168, App	237	40	44.0	206	5	US-10-732-923-3375	Sequence 3375, Ap
165	50	54.9	386	5	US-10-732-923-3385	Sequence 3385, Ap	238	40	44.0	229	4	US-10-437-963-114742	Sequence 114742, A
166	50	54.9	391	5	US-10-732-923-3393	Sequence 3393, Ap	239	40	44.0	233	4	US-10-108-2604-3403	Sequence 3403, Ap
167	50	54.9	396	5	US-10-732-923-3397	Sequence 3397, Ap	240	40	44.0	264	3	US-09-865-578-14	Sequence 14, Appl1
168	50	54.9	396	5	US-10-732-923-3398	Sequence 3398, Ap	241	40	44.0	264	3	US-09-865-062-1	Sequence 1, Appl1
169	50	54.9	400	5	US-10-732-923-3387	Sequence 3387, Ap	242	40	44.0	264	3	US-09-986-944-1	Sequence 3, Appl1
170	50	54.9	410	5	US-10-732-923-3365	Sequence 3365, Ap	243	40	44.0	264	3	US-09-956-5088-4	Sequence 4, Appl1
171	50	54.9	410	5	US-10-732-923-3366	Sequence 3366, Ap	244	40	44.0	264	3	US-09-956-5088-4	Sequence 4, Appl1
172	50	54.9	413	5	US-10-732-923-3435	Sequence 3435, Ap	245	40	44.0	264	4	US-10-215-759-18	Sequence 18, Appl1
173	50	54.9	416	5	US-10-732-923-3436	Sequence 3436, Ap	246	40	44.0	264	4	US-10-215-759-19	Sequence 19, Appl1



247	40	44.0	264	4	US-10-223-682-1	Sequence 1, Appl1	320	39	42.9	310	5	US-10-732-923-13869	Sequence 13869, A
248	40	44.0	264	4	US-10-264-672-18	Sequence 18, Appl1	321	39	42.9	311	4	US-10-437-963-170584	Sequence 170584, A
249	40	44.0	264	4	US-10-264-672-19	Sequence 19, Appl1	322	39	42.9	316	4	US-10-369-493-22893	Sequence 22893, A
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252	40	44.0	264	5	US-10-936-059-19	Sequence 1, Appl1	325	39	42.9	352	4	US-10-425-115-296641	Sequence 296641, A
253	40	44.0	264	5	US-10-936-059-12	Sequence 1, Appl1	326	39	42.9	362	4	US-10-425-115-296642	Sequence 296642, A
254	40	44.0	264	6	US-11-031-919-18	Sequence 18, Appl1	327	39	42.9	633	4	US-10-437-963-162965	Sequence 162965, A
255	40	44.0	264	6	US-11-031-919-18	Sequence 18, Appl1	328	39	42.9	666	4	US-10-425-114-62821	Sequence 62821, A
256	40	44.0	277	6	US-10-104-047-3046	Sequence 3046, Ap	329	39	42.9	671	4	US-10-425-114-59173	Sequence 59173, A
257	40	44.0	277	4	US-10-425-115-300808	Sequence 300808, A	330	39	42.9	732	4	US-10-437-963-176871	Sequence 176871, A
258	40	44.0	282	5	US-10-732-923-13555	Sequence 13555, A	331	39	42.9	773	5	US-10-739-930-57661	Sequence 57661, Ap
259	40	44.0	291	3	US-09-865-578-13	Sequence 13, Appl1	332	39	42.9	773	5	US-10-732-923-13552	Sequence 13552, A
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261	40	44.0	291	3	US-09-736-457-333	Sequence 333, Appl	334	39	42.9	1390	4	US-10-437-963-170143	Sequence 170143, A
262	40	44.0	291	3	US-09-902-941-333	Sequence 333, Appl	335	38	41.8	54	4	US-10-001-870-180	Sequence 180, App
263	40	44.0	291	3	US-09-849-626-333	Sequence 333, Appl	336	38	41.8	58	4	US-10-424-599-268932	Sequence 268932, A
264	40	44.0	291	3	US-09-476-300-333	Sequence 333, Appl	337	38	41.8	59	4	US-10-424-599-264443	Sequence 264443, A
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266	40	44.0	291	4	US-10-171-311-91	Sequence 91, Appl	339	38	41.8	113	4	US-10-437-963-141114	Sequence 141114, A
267	40	44.0	291	4	US-10-113-872-333	Sequence 333, Appl	340	38	41.8	188	4	US-10-424-599-180450	Sequence 180450, A
268	40	44.0	291	4	US-10-247-671-151	Sequence 333, Appl	341	38	41.8	230	4	US-10-425-114-71550	Sequence 71550, A
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271	40	44.0	291	4	US-10-627-604-19	Sequence 19, Appl1	344	38	41.8	390	3	US-09-895-913A-286	Sequence 913A-286
272	40	44.0	291	4	US-10-706-791-11	Sequence 11, Appl1	345	38	41.8	405	4	US-10-282-1224-58654	Sequence 58654, A
273	40	44.0	291	4	US-10-755-889-08	Sequence 7, Appl1	346	38	41.8	405	4	US-10-767-701-45196	Sequence 45196, A
274	40	44.0	291	4	US-10-755-889-00	Sequence 80, Appl1	347	38	41.8	406	4	US-10-437-963-197939	Sequence 197939, A
275	40	44.0	291	5	US-10-627-604-19	Sequence 19, Appl1	348	38	41.8	439	4	US-10-156-761-11237	Sequence 11237, A
276	40	44.0	291	5	US-10-887-229A-6	Sequence 6, Appl1	349	38	41.8	474	4	US-10-437-963-139809	Sequence 139809, A
277	40	44.0	291	5	US-10-631-467-850	Sequence 850, App	350	38	41.8	510	4	US-10-282-1224-51376	Sequence 51376, A
278	40	44.0	291	5	US-10-631-467-1570	Sequence 1570, App	351	38	41.8	542	4	US-10-017-161-2024	Sequence 2024, Ap
279	40	44.0	297	4	US-10-210-172-41	Sequence 14, Appl1	352	38	41.8	552	4	US-10-292-798-1670	Sequence 1670, Ap
280	40	44.0	308	4	US-10-425-114-67935	Sequence 47935, A	353	38	41.8	563	4	US-10-415-934-14	Sequence 934-14
281	40	44.0	317	4	US-10-094-749-2132	Sequence 2132, App	354	38	41.8	586	6	US-11-097-143-1656	Sequence 1656, Appl
282	40	44.0	358	4	US-10-106-698-6181	Sequence 6181, App	355	38	41.8	605	4	US-10-238-075-691	Sequence 691, App
283	40	44.0	416	5	US-10-732-923-33860	Sequence 23860, A	356	38	41.8	621	4	US-10-282-1224-76994	Sequence 76994, A
284	40	44.0	426	4	US-10-425-114-48721	Sequence 48721, A	357	38	41.8	730	4	US-10-437-963-152441	Sequence 152441, A
285	40	44.0	430	5	US-10-732-923-3447	Sequence 3447, Ap	358	38	41.8	752	5	US-10-732-923-13553	Sequence 13553, A
286	40	44.0	452	4	US-10-359-493-861	Sequence 861, App	359	38	41.8	773	4	US-10-094-749-1772	Sequence 1772, Ap
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289	40	44.0	475	5	US-10-732-923-33868	Sequence 23868, A	362	38	41.8	1435	4	US-10-369-493-13390	Sequence 13390, Ap
290	40	44.0	487	5	US-10-732-923-33868	Sequence 23868, A	363	38	41.8	1448	4	US-10-032-585-7552	Sequence 7552, Ap
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292	40	44.0	531	5	US-10-887-229A-16	Sequence 16, Appl1	365	38	41.8	4064	5	US-10-661-398-14	Sequence 398-14
293	40	44.0	533	4	US-10-425-114-52558	Sequence 52558, A	366	37	40.7	39	4	US-10-437-963-1140826	Sequence 140826, A
294	40	44.0	540	4	US-10-369-493-3703	Sequence 3703, Ap	367	37	40.7	470	4	US-10-437-963-139302	Sequence 139302, A
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296	40	44.0	645	4	US-10-425-114-53276	Sequence 53276, A	369	37	40.7	59	4	US-10-424-599-275363	Sequence 275363, A
297	40	44.0	688	4	US-10-429-949-7	Sequence 7, Appl1	370	37	40.7	65	4	US-10-437-963-175695	Sequence 175695, A
298	40	44.0	739	4	US-10-424-599-178380	Sequence 178380, A	371	37	40.7	70	4	US-10-425-115-308745	Sequence 308745, A
299	40	44.0	757	4	US-10-369-566-516	Sequence 516, App	372	37	40.7	104	4	US-10-425-115-259482	Sequence 259482, A
300	40	44.0	757	4	US-10-607-726-6	Sequence 6, Appl1	373	37	40.7	106	4	US-10-767-701-55602	Sequence 55602, A
301	40	44.0	762	4	US-10-221-074-4	Sequence 4, Appl1	374	37	40.7	123	4	US-10-424-599-256275	Sequence 256275, A
302	40	44.0	762	4	US-10-424-599-178381	Sequence 178381, A	375	37	40.7	134	5	US-10-501-282-4672	Sequence 4672, Ap
303	40	44.0	763	4	US-10-221-074-13	Sequence 13, Appl1	376	37	40.7	187	4	US-10-424-599-199950	Sequence 199950, A
304	40	44.0	765	4	US-10-425-114-67195	Sequence 47195, A	377	37	40.7	204	4	US-10-424-599-199429	Sequence 199429, A
305	40	44.0	1162	5	US-10-450-763-39517	Sequence 39517, A	378	37	40.7	214	4	US-10-425-115-300393	Sequence 300393, A
306	40	44.0	1316	6	US-11-097-143-34581	Sequence 34581, A	379	37	40.7	216	6	US-11-097-143-32736	Sequence 32736, A
307	39.5	43.4	345	6	US-10-607-726-8	Sequence 8, Appl1	380	37	40.7	241	5	US-10-873-467-52	Sequence 52, Appl1
308	39.5	43.4	759	4	US-10-158-445-35	Sequence 35, Appl1	381	37	40.7	276	4	US-10-320-797-3083	Sequence 797-3083
309	39	42.9	67	4	US-10-424-599-212498	Sequence 212498, A	382	37	40.7	320	4	US-10-282-1224-74309	Sequence 74309, Ap
310	39	42.9	80	3	US-09-801-574-68	Sequence 48, Appl1	383	37	40.7	361	4	US-10-411-910A-184	Sequence 184, App
311	39	42.9	143	4	US-10-425-114-50614	Sequence 50614, A	384	37	40.7	416	4	US-10-437-963-162157	Sequence 162157, A
312	39	42.9	143	4	US-10-425-115-339181	Sequence 339181, A	385	37	40.7	431	4	US-10-424-599-253410	Sequence 253410, A
313	39	42.9	179	4	US-10-282-1224-51563	Sequence 51563, A	386	37	40.7	444	4	US-10-094-749-3081	Sequence 3081, Ap
314	39	42.9	227	3	US-09-815-242-11338	Sequence 11338, A	387	37	40.7	453	5	US-10-732-923-13541	Sequence 13541, A
315	39	42.9	227	3	US-09-882-227-628	Sequence 628, App	388	37	40.7	478	4	US-10-466-759-3	Sequence 3, Appl1
316	39	42.9	227	4	US-10-335-977-8034	Sequence 8034, Ap	389	37	40.7	480	4	US-10-437-963-149677	Sequence 149677, A
317	39	42.9	237	4	US-10-369-493-3315	Sequence 4315, Ap	390	37	40.7	480	4	US-10-282-1224-48632	Sequence 48632, A
318	39	42.9	239	4	US-10-369-493-1071	Sequence 7071, Ap	391	37	40.7	511	4	US-10-425-114-48720	Sequence 48720, A
319	39	42.9	239	4	US-10-335-977-8035	Sequence 8035, Ap	392	37	40.7	527	6	US-11-097-143-12249	Sequence 12249, A

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394	37	40.7	742	4	US-10-424-599-147503	Sequence 147503, A	467	36	39.6	460	5	US-10-732-923-4310	Sequence 4310, Ap
395	37	40.7	760	4	US-10-282-122A-51167	Sequence 51167, A	468	36	39.6	460	5	US-10-732-923-4313	Sequence 4313, Ap
396	37	40.7	761	4	US-10-221-074-2	Sequence 2, Appl1	469	36	39.6	465	3	US-09-935-642-3	Sequence 3, Appl1
397	37	40.7	790	4	US-10-763-883-35	Sequence 35, Appl1	470	36	39.6	466	3	US-09-923-779-155	Sequence 155, Appl1
398	37	40.7	953	4	US-10-437-963-108036	Sequence 108036, A	471	36	39.6	466	4	US-10-152-647-3	Sequence 3, Appl1
399	37	40.7	1062	3	US-09-801-368-234	Sequence 234, App	472	36	39.6	466	4	US-10-152-647-4	Sequence 4, Appl1
400	37	40.7	1062	3	US-10-369-993-1363	Sequence 1363, App	473	36	39.6	466	4	US-10-242-943-12	Sequence 12, Appl1
401	37	40.7	1062	4	US-10-149-930-180	Sequence 180, App	474	36	39.6	466	4	US-10-316-253-196	Sequence 196, App
402	37	40.7	1214	4	US-10-161-493-18	Sequence 18, Appl1	475	36	39.6	466	4	US-10-341-434-107	Sequence 107, App
403	37	40.7	1243	5	US-10-840-512-165	Sequence 165, App	476	36	39.6	466	4	US-10-231-956A-497	Sequence 497, App
404	37	40.7	1244	3	US-09-815-815-8	Sequence 8, Appl1	477	36	39.6	466	4	US-10-231-956A-499	Sequence 499, App
405	37	40.7	1244	4	US-10-393-316-8	Sequence 8, Appl1	478	36	39.6	466	4	US-10-408-765A-2034	Sequence 2034, Ap
406	37	40.7	1244	4	US-10-618-941-84	Sequence 84, Appl1	479	36	39.6	466	5	US-10-736-889-1	Sequence 1, Appl1
407	37	40.7	1291	4	US-10-369-493-6949	Sequence 6949, App	480	36	39.6	466	5	US-10-920-119-1	Sequence 1, Appl1
408	37	40.7	1461	4	US-10-032-585-7629	Sequence 7629, Ap	481	36	39.6	466	5	US-10-491-545A-82	Sequence 82, Appl1
409	36.5	40.1	235	4	US-10-424-599-200388	Sequence 200388, A	482	36	39.6	466	5	US-10-887-066-6	Sequence 6, Appl1
410	36.5	40.1	330	6	US-11-097-143-21243	Sequence 21243, A	483	36	39.6	466	5	US-10-631-467-868	Sequence 868, App
411	36.5	40.1	371	4	US-10-437-963-173726	Sequence 173726, A	484	36	39.6	466	5	US-10-631-467-1583	Sequence 1583, App
412	36.5	40.1	541	4	US-10-607-726-4	Sequence 4, Appl1	485	36	39.6	466	6	US-11-037-713-54	Sequence 54, Appl1
413	36.5	40.1	757	4	US-10-437-963-173620	Sequence 173620, A	486	36	39.6	477	4	US-10-282-122A-60011	Sequence 60011, A
414	36.5	40.1	784	4	US-10-282-122A-73861	Sequence 73861, A	487	36	39.6	481	4	US-10-233-584A-3	Sequence 3, Appl1
415	36.5	40.1	1876	4	US-10-282-122A-70282	Sequence 70282, A	488	36	39.6	484	5	US-10-723-860-847	Sequence 847, App
416	36	39.6	41	3	US-09-864-761-40282	Sequence 40282, A	489	36	39.6	484	5	US-10-756-149-4923	Sequence 4923, Ap
417	36	39.6	49	4	US-10-425-115-361968	Sequence 361968, A	490	36	39.6	484	5	US-10-437-963-118239	Sequence 118239, A
418	36	39.6	54	3	US-09-933-767-455	Sequence 455, App	491	36	39.6	489	4	US-10-408-765A-1856	Sequence 1856, Ap
419	36	39.6	54	4	US-10-004-860-455	Sequence 455, App	492	36	39.6	499	4	US-10-205-331-80	Sequence 80, Appl1
420	36	39.6	54	4	US-10-023-282-455	Sequence 455, App	493	36	39.6	505	4	US-10-405-331-80	Sequence 80, Appl1
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431	36	39.6	211	4	US-10-236-417-216	Sequence 216, App	504	36	39.6	633	4	US-10-142-143-6	Sequence 6, Appl1
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701	35	38.5	515	4	US-10-897-019-2	Sequence 2, Appl1	774	34.5	37.9	469	4	US-10-369-493-13381	Sequence 13381, A
702	35	38.5	518	4	US-10-425-114-51928	Sequence 51928, A	775	34.5	37.9	483	4	US-10-212-933-2	Sequence 2, Appl1
703	35	38.5	524	4	US-10-289-762-369	Sequence 369, App	776	34.5	37.9	483	5	US-10-966-814-2	Sequence 2, Appl1
704	35	38.5	525	4	US-10-437-963-116408	Sequence 116408, Sequence 19285, A	777	34.5	37.9	483	5	US-10-966-849-2	Sequence 2, Appl1
705	35	38.5	527	4	US-10-437-963-19285	Sequence 64566, A	778	34.5	37.9	484	5	US-10-212-933-4	Sequence 4, Appl1
706	35	38.5	530	4	US-10-425-114-64656	Sequence 63208, A	779	34.5	37.9	484	5	US-10-966-814-4	Sequence 4, Appl1
707	35	38.5	531	4	US-10-425-114-63208	Sequence 1, Appl1	780	34.5	37.9	530	5	US-10-966-849-4	Sequence 4, Appl1
708	35	38.5	531	4	US-10-703-953-1	Sequence 1, Appl1	781	34.5	37.9	530	5	US-10-723-860-1409	Sequence 1409, Ap
709	35	38.5	536	4	US-10-425-114-62653	Sequence 62653, A	782	34.5	37.9	531	3	US-10-756-149-5060	Sequence 255, App
710	35	38.5	549	5	US-10-481-113-23	Sequence 23, Appl1	783	34.5	37.9	531	3	US-09-833-790-284	Sequence 284, App
711	35	38.5	549	5	US-10-732-923-11247	Sequence 11247, A	784	34.5	37.9	531	4	US-10-755-889-284	Sequence 14551, A
712	35	38.5	556	5	US-10-450-763-11073	Sequence 41073, A	785	34.5	37.9	630	4	US-10-437-963-154551	Sequence 65657, A
713	35	38.5	557	4	US-10-369-493-6480	Sequence 6480, Ap	786	34.5	37.9	744	4	US-10-282-122A-65927	Sequence 65927, A
714	35	38.5	559	4	US-10-437-963-146794	Sequence 146794, Sequence 6481, Ap	787	34.5	37.9	789	4	US-10-282-122A-65927	Sequence 65927, A
715	35	38.5	561	4	US-10-369-493-6481	Sequence 276, App	788	34.5	37.9	1295	4	US-10-437-963-186072	Sequence 186072, Sequence 192730
716	35	38.5	579	4	US-10-267-502-276	Sequence 272, App	789	34	37.4	51	5	US-10-926-683-1231	Sequence 1231, Ap
717	35	38.5	580	5	US-10-643-795A-144	Sequence 144, App	790	34	37.4	52	4	US-10-424-599-150998	Sequence 150998, Sequence 247474
718	35	38.5	580	5	US-10-723-860-1733	Sequence 1733, App	791	34	37.4	53	4	US-10-425-115-247474	Sequence 148, App
719	35	38.5	580	5	US-10-482-029-180	Sequence 180, App	792	34	37.4	54	4	US-10-424-599-247660	Sequence 247660, Sequence 297615, Sequence 198193, Sequence 353994, Sequence 178630, Sequence 43263, A
720	35	38.5	580	5	US-10-948-518-144	Sequence 144, App	793	34	37.4	62	4	US-10-425-115-297615	Sequence 297615, Sequence 198193, Sequence 353994, Sequence 178630, Sequence 43263, A
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722	35	38.5	593	5	US-10-310-154-578	Sequence 578, App	795	34	37.4	63	4	US-10-437-963-198193	Sequence 198193, Sequence 353994, Sequence 178630, Sequence 43263, A
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726	35	38.5	602	4	US-10-267-502-514	Sequence 314, App	799	34	37.4	73	4	US-10-425-115-337794	Sequence 337794, Sequence 268676, Sequence 255921, Sequence 144116, Sequence 268787, Sequence 513, App
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729	35	38.5	664	5	US-10-450-763-34640	Sequence 34640, A	802	34	37.4	80	4	US-10-424-599-194116	Sequence 194116, Sequence 268787, Sequence 513, App
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731	35	38.5	741	5	US-10-450-763-40897	Sequence 283593, Sequence 35, Appl1	804	34	37.4	85	3	US-09-939-980-513	Sequence 513, App
732	35	38.5	768	4	US-09-769-787-36	Sequence 1922, App	805	34	37.4	92	4	US-10-424-599-197741	Sequence 197741, Sequence 220540, Sequence 208002, Sequence 342993, Sequence 43895, A
733	35	38.5	784	3	US-10-472-928-1922	Sequence 4612, App	806	34	37.4	93	4	US-10-424-599-220540	Sequence 220540, Sequence 208002, Sequence 342993, Sequence 43895, A
734	35	38.5	787	5	US-10-617-920-4612	Sequence 20660, A	807	34	37.4	94	4	US-10-424-599-220540	Sequence 220540, Sequence 208002, Sequence 342993, Sequence 43895, A
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736	35	38.5	849	4	US-10-369-493-20660	Sequence 57767, A	809	34	37.4	114	4	US-10-425-115-342993	Sequence 342993, Sequence 43895, A
737	35	38.5	849	4	US-10-425-114-52510	Sequence 57767, A	810	34	37.4	114	4	US-10-425-115-342993	Sequence 342993, Sequence 43895, A
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740	35	38.5	882	3	US-10-282-122A-56939	Sequence 15004, A	813	34	37.4	135	3	US-10-437-963-179978	Sequence 179978, Sequence 5, Appl1
741	35	38.5	891	4	US-10-424-599-220899	Sequence 220899, A	814	34	37.4	135	3	US-09-797-908-5	Sequence 5, Appl1
742	35	38.5	955	4	US-10-156-761-15004	Sequence 15004, A	815	34	37.4	135	3	US-10-357-482-5	Sequence 5, Appl1
743	35	38.5	956	4	US-10-238-075-1353	Sequence 1353, App	816	34	37.4	138	4	US-10-425-115-295711	Sequence 295711, Sequence 198186, Sequence 230213, Sequence 191466, Sequence 39014, A
744	35	38.5	962	5	US-10-732-923-22453	Sequence 22453, A	817	34	37.4	145	4	US-10-425-115-295711	Sequence 295711, Sequence 198186, Sequence 230213, Sequence 191466, Sequence 39014, A
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747	35	38.5	1175	4	US-10-369-493-6504	Sequence 6504, App	820	34	37.4	156	4	US-10-424-599-191466	Sequence 191466, Sequence 228870, Sequence 39014, A
748	35	38.5	1178	4	US-10-369-493-21939	Sequence 21939, A	821	34	37.4	160	4	US-10-424-599-258395	Sequence 258395, Sequence 39014, A
749	35	38.5	1211	4	US-10-369-493-22514	Sequence 22514, A	822	34	37.4	160	4	US-10-425-115-291774	Sequence 291774, Sequence 293543, Sequence 218711, Sequence 228870, Sequence 258395, Sequence 39014, A
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754	35	38.5	2311	5	US-10-499-353A-474	Sequence 476, App	827	34	37.4	190	4	US-10-767-701-34510	Sequence 34510, A
755	35	38.5	2324	5	US-10-499-353A-476	Sequence 476, App	828	34	37.4	205	4	US-10-188-248-80	Sequence 80, Appl1
756	35	38.5	2362	5	US-10-499-353A-480	Sequence 480, App	829	34	37.4	205	4	US-10-363-616-385	Sequence 385, App
757	35	38.5	2375	5	US-10-459-353A-481	Sequence 481, App	830	34	37.4	205	4	US-10-450-995-1	Sequence 1, Appl1

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832	34	37.4	206	3	US-09-874-923-26	Sequence 26, Appl1	905	34	37.4	300	4	US-10-425-115-365159	Sequence 369159, A
833	34	37.4	206	3	US-09-991-996-26	Sequence 26, Appl1	906	34	37.4	302	4	US-10-767-701-36317	Sequence 36317, A
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835	34	37.4	207	4	US-10-437-963-169280	Sequence 169280, A	908	34	37.4	305	5	US-10-908-400A-79	Sequence 79, Appl1
836	34	37.4	214	4	US-10-424-599-219097	Sequence 219097, A	909	34	37.4	308	4	US-10-223-978-6	Sequence 6, Appl1
837	34	37.4	215	4	US-10-424-599-246245	Sequence 246245, A	910	34	37.4	308	5	US-10-713-981-6	Sequence 6, Appl1
838	34	37.4	218	4	US-10-081-408-4	Sequence 4, Appl1	911	34	37.4	310	4	US-10-713-981-6	Sequence 1, Appl1
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840	34	37.4	218	4	US-10-282-122A-45327	Sequence 45327, A	913	34	37.4	314	4	US-10-620-052A-1	Sequence 1, Appl1
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842	34	37.4	222	3	US-10-494-672-232	Sequence 232, App	915	34	37.4	321	4	US-10-425-115-187026	Sequence 187026, A
843	34	37.4	223	3	US-09-815-242-5788	Sequence 5788, App	916	34	37.4	322	4	US-10-425-114-56399	Sequence 56399, A
844	34	37.4	223	4	US-10-630-590-272	Sequence 272, App	917	34	37.4	323	3	US-09-815-242-12514	Sequence 12514, A
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846	34	37.4	225	5	US-10-789-102-55	Sequence 55, Appl1	919	34	37.4	324	4	US-10-267-311-25	Sequence 25, Appl1
847	34	37.4	226	5	US-10-732-923-20758	Sequence 20758, A	920	34	37.4	324	5	US-10-679-956-25	Sequence 25, Appl1
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849	34	37.4	221	5	US-10-908-400A-88	Sequence 88, Appl1	922	34	37.4	328	3	US-09-797-908-2	Sequence 2, Appl1
850	34	37.4	222	4	US-10-008-960-6	Sequence 6, Appl1	923	34	37.4	328	4	US-10-172-088-2	Sequence 2, Appl1
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852	34	37.4	227	4	US-10-156-761-13144	Sequence 13144, A	925	34	37.4	328	4	US-10-288-798-5	Sequence 5, Appl1
853	34	37.4	227	5	US-10-484-061-21	Sequence 21, Appl1	926	34	37.4	328	4	US-10-362-892-5	Sequence 5, Appl1
854	34	37.4	227	5	US-10-908-400A-85	Sequence 85, Appl1	927	34	37.4	328	4	US-10-618-941-83	Sequence 83, Appl1
855	34	37.4	228	3	US-09-815-242-12790	Sequence 12790, A	928	34	37.4	328	5	US-10-927-132-2	Sequence 2, Appl1
856	34	37.4	228	4	US-10-282-122A-44341	Sequence 44341, A	929	34	37.4	328	5	US-09-824-438-6	Sequence 6, Appl1
857	34	37.4	239	3	US-09-823-153-7	Sequence 7, Appl1	930	34	37.4	331	3	US-10-282-1228-71667	Sequence 71667, A
858	34	37.4	239	4	US-10-713-981-7	Sequence 7, Appl1	931	34	37.4	335	4	US-10-423-156-5	Sequence 5, Appl1
859	34	37.4	239	5	US-10-908-400A-82	Sequence 82, Appl1	932	34	37.4	335	4	US-10-617-038-37	Sequence 37, Appl1
860	34	37.4	239	5	US-10-908-400A-83	Sequence 83, Appl1	933	34	37.4	336	4	US-10-414-256-23	Sequence 23, Appl1
861	34	37.4	242	4	US-10-425-114-56430	Sequence 56430, A	934	34	37.4	338	4	US-10-322-746-23	Sequence 23, Appl1
862	34	37.4	245	4	US-10-267-311-23	Sequence 23, Appl1	935	34	37.4	339	4	US-10-425-114-54506	Sequence 54506, A
863	34	37.4	245	5	US-10-679-956-23	Sequence 23, Appl1	936	34	37.4	340	4	US-10-425-115-203005	Sequence 203005, A
864	34	37.4	248	5	US-10-984-958A-20	Sequence 20, Appl1	937	34	37.4	341	4	US-10-336-491-2	Sequence 2, Appl1
865	34	37.4	248	5	US-10-908-400A-84	Sequence 84, Appl1	938	34	37.4	341	4	US-10-815-495-24	Sequence 24, Appl1
866	34	37.4	252	4	US-10-677-956-18	Sequence 18, Appl1	939	34	37.4	341	6	US-11-122-506-2	Sequence 2, Appl1
867	34	37.4	258	5	US-10-908-400A-87	Sequence 87, Appl1	940	34	37.4	343	4	US-10-322-746-2	Sequence 2, Appl1
868	34	37.4	261	4	US-10-369-493-10861	Sequence 10861, A	941	34	37.4	344	4	US-10-322-746-21	Sequence 21, Appl1
869	34	37.4	261	5	US-10-908-400A-78	Sequence 78, Appl1	942	34	37.4	348	3	US-09-910-600-22	Sequence 22, Appl1
870	34	37.4	265	4	US-10-282-122A-47129	Sequence 47129, A	943	34	37.4	348	3	US-09-910-600-23	Sequence 23, Appl1
871	34	37.4	265	4	US-10-312-187-39	Sequence 39, Appl1	944	34	37.4	348	3	US-09-910-600-24	Sequence 24, Appl1
872	34	37.4	265	6	US-11-037-143-18549	Sequence 18549, A	945	34	37.4	348	3	US-09-910-600-25	Sequence 25, Appl1
873	34	37.4	267	3	US-09-815-242-5328	Sequence 5328, Ap	946	34	37.4	350	4	US-10-322-746-19	Sequence 19, A
874	34	37.4	271	5	US-10-908-400A-80	Sequence 80, Appl1	947	34	37.4	352	4	US-10-457-372-15	Sequence 15, A
875	34	37.4	272	3	US-09-844-908-4	Sequence 4, Appl1	948	34	37.4	354	3	US-09-823-153-8	Sequence 8, Appl1
876	34	37.4	272	3	US-09-844-908-6	Sequence 6, Appl1	949	34	37.4	354	3	US-10-713-981-8	Sequence 8, Appl1
877	34	37.4	272	3	US-09-844-988-4	Sequence 4, Appl1	950	34	37.4	358	4	US-10-261-517-23	Sequence 23, Appl1
878	34	37.4	272	3	US-09-844-988-6	Sequence 6, Appl1	951	34	37.4	359	4	US-10-322-746-17	Sequence 17, Appl1
879	34	37.4	272	4	US-10-338-462-4	Sequence 4, Appl1	952	34	37.4	364	3	US-09-788-268-14	Sequence 14, Appl1
880	34	37.4	272	4	US-10-338-462-6	Sequence 6, Appl1	953	34	37.4	364	3	US-09-788-269-14	Sequence 14, Appl1
881	34	37.4	275	4	US-10-223-978-5	Sequence 5, Appl1	954	34	37.4	366	4	US-10-322-746-15	Sequence 15, Appl1
882	34	37.4	275	4	US-10-437-963-160140	Sequence 160140, A	955	34	37.4	366	5	US-10-908-400A-76	Sequence 76, Appl1
883	34	37.4	275	5	US-10-713-981-5	Sequence 5, Appl1	956	34	37.4	367	4	US-10-223-978-7	Sequence 7, Appl1
884	34	37.4	276	4	US-10-424-599-235403	Sequence 235403, A	957	34	37.4	367	5	US-10-713-981-7	Sequence 7, Appl1
885	34	37.4	276	5	US-10-908-400A-86	Sequence 86, Appl1	958	34	37.4	368	5	US-10-739-930-5930	Sequence 5930, Ap
886	34	37.4	277	4	US-10-414-256-24	Sequence 24, Appl1	959	34	37.4	372	4	US-10-282-122A-54591	Sequence 54591, A
887	34	37.4	281	4	US-10-369-493-19560	Sequence 19560, A	960	34	37.4	377	4	US-10-322-746-13	Sequence 13, Appl1
888	34	37.4	282	3	US-09-844-908-3	Sequence 3, Appl1	961	34	37.4	379	4	US-10-375-214-3	Sequence 3, Appl1
889	34	37.4	282	3	US-09-844-908-5	Sequence 5, Appl1	962	34	37.4	382	4	US-10-425-115-228872	Sequence 228872, A
890	34	37.4	282	3	US-09-844-988-3	Sequence 3, Appl1	963	34	37.4	385	4	US-10-437-963-131195	Sequence 131195, A
891	34	37.4	282	3	US-09-844-988-5	Sequence 5, Appl1	964	34	37.4	385	4	US-10-425-115-247569	Sequence 247569, A
892	34	37.4	282	4	US-10-338-462-3	Sequence 3, Appl1	965	34	37.4	385	4	US-10-425-115-283095	Sequence 283095, A
893	34	37.4	282	4	US-10-338-462-5	Sequence 5, Appl1	966	34	37.4	385	4	US-10-425-115-283096	Sequence 283096, A
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895	34	37.4	286	5	US-10-908-400A-77	Sequence 77, Appl1	968	34	37.4	394	4	US-10-437-963-160141	Sequence 160141, A
896	34	37.4	288	4	US-10-767-701-38154	Sequence 38154, A	969	34	37.4	394	3	US-09-990-578-4	Sequence 4, Appl1
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898	34	37.4	291	4	US-10-112-944-354	Sequence 354, App	971	34	37.4	397	4	US-10-008-960-11	Sequence 11, Appl1
899	34	37.4	296	4	US-10-357-567-35	Sequence 35, Appl1	972	34	37.4	398	4	US-10-080-334-103	Sequence 103, App
900	34	37.4	296	4	US-10-425-115-323818	Sequence 323818, A	973	34	37.4	401	4	US-10-074-978A-353	Sequence 353, App
901	34	37.4	297	4	US-10-282-122A-46297	Sequence 46297, A	974	34	37.4	401	4	US-10-190-866A-1	Sequence 1, Appl1
902	34	37.4	297	4	US-10-424-599-171858	Sequence 171858, A	975	34	37.4	405	4	US-10-425-114-57297	Sequence 57297, A
903	34	37.4	298	3	US-09-910-600-26	Sequence 26, Appl1	976	34	37.4	407	4	US-10-289-456-98	Sequence 98, Appl1

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977 34 37.4 410 4 US-10-289-762-908 Sequence 908, App
978 34 37.4 410 4 US-10-282-122A-54978 Sequence 54978, A
979 34 37.4 412 3 US-09-775-964-34 Sequence 34, App1
980 34 37.4 415 5 US-10-450-763-56730 Sequence 56730, A
981 34 37.4 417 4 US-10-369-493-2454 Sequence 2454, App
982 34 37.4 417 5 US-10-698-907-17 Sequence 17, App1
983 34 37.4 418 4 US-10-289-456-95 Sequence 95, App1
984 34 37.4 419 4 US-10-050-902-318 Sequence 318, App
985 34 37.4 419 4 US-10-050-898-318 Sequence 318, App
986 34 37.4 422 3 US-10-424-599-260387 Sequence 260387, App
987 34 37.4 422 3 US-09-824-438-7 Sequence 7, App1
988 34 37.4 427 4 US-10-238-075-1260 Sequence 1260, App
989 34 37.4 427 4 US-10-050-902-290 Sequence 290, App
990 34 37.4 427 4 US-10-050-898-290 Sequence 290, App
991 34 37.4 427 4 US-10-425-114-58984 Sequence 58984, A
992 34 37.4 427 4 US-10-732-923-11265 Sequence 11265, A
993 34 37.4 436 4 US-10-425-114-50973 Sequence 50973, A
994 34 37.4 436 4 US-10-425-114-65480 Sequence 65480, A
995 34 37.4 447 4 US-10-156-761-10950 Sequence 10950, A
996 34 37.4 450 5 US-10-741-849-7232 Sequence 7232, App
997 34 37.4 451 4 US-10-437-963-124785 Sequence 124785, App
998 34 37.4 453 5 US-10-739-930-9396 Sequence 9396, App
999 34 37.4 455 6 US-11-097-143-30873 Sequence 30873, A
1000 34 37.4 459 4 US-10-424-599-275168 Sequence 275168,
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## ALIGNMENTS

RESULT 1  
US-09-900-147-3  
Sequence 3, Application US/09900147

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Patent No. US20020103121A1
GENERAL INFORMATION:
APPLICANT: La Thangue, Nicholas B
TITLE OF INVENTION: Peptide antagonists of DP transcription factors
FILE REFERENCE: 620-67
CURRENT APPLICATION NUMBER: US/09/900,147
CURRENT FILING DATE: 2001-07-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 3
LENGTH: 19
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-3
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Query Match 100.0%; Score 91; DB 3; Length 19;  
Best Local Similarity 100.0%; Pred. No. 1.6e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVYDALNVLMAMNISK 19  
Db 1 RRRVYDALNVLMAMNISK 19

RESULT 2  
US-09-900-147-1

```
Sequence 1, Application US/09900147
GENERAL INFORMATION:
APPLICANT: La Thangue, Nicholas B
APPLICANT: Bandara, Lasaantha R
TITLE OF INVENTION: Peptide antagonists of DP transcription factors
FILE REFERENCE: 620-67
CURRENT APPLICATION NUMBER: US/09/900,147
```

```
CURRENT FILING DATE: 2001-07-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 37
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-1
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Query Match 100.0%; Score 91; DB 3; Length 37;  
Best Local Similarity 100.0%; Pred. No. 3.3e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVYDALNVLMAMNISK 19  
Db 4 RRRVYDALNVLMAMNISK 22

RESULT 3  
US-10-214-188-10  
Sequence 10, Application US/10214188

```
Publication No. US2003022260A1
GENERAL INFORMATION:
APPLICANT: LA THANGUE, NICHOLAS B.
BERNARDS, KENN
HUMANS, ELEANORE M.
TITLE OF INVENTION: TRANSCRIPTION FACTOR E2F-5
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSER: NIXON & VANDERBYE P.C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/214,188
FILING DATE: 08-Aug-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/894,139
FILING DATE: 13-Aug-1997
ATTORNEY/AGENT INFORMATION:
NAME: WILSON, MARY J.
REGISTRATION NUMBER: 32,955
REFERENCE/DOCKET NUMBER: 620-22
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 74 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-10-214-188-10
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Query Match 100.0%; Score 91; DB 4; Length 74;  
Best Local Similarity 100.0%; Pred. No. 7.3e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 RRRVYDALNTLMAMNIISK 19
         |||||
Db      46 RRRVYDALNTLMAMNIISK 64
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RESULT 4
US-10-450-763-35869
; Sequence 35869, Application US/10450763
; Publication No, US20050196754A1
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc
TITLE OP INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 790CIP3/US
CURRENT APPLICATION NUMBER: US/10/450, 763
CURRENT FILING DATE: 2003-06-11
PRIOR APPLICATION NUMBER: PCT/US01/08631
PRIOR FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 09/540, 217
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: 09/649, 167
PRIOR FILING DATE: 2000-08-23
NUMBER OF SEQ ID NOS: 60736
SOFTWARE: Custom
SEQ ID NO 35869
LENGTH: 149
TYPE: PR1
ORGANISM: Homo sapiens
US-10-450-763-35869

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```

RESULT 5
US-10-106-698-4846
Sequence 4846, Application US/10106698
Publication No. US20030109690A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
FILE REFERENCE: PA00581
CURRENT FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: PCT/US00/26524
PRIOR FILING DATE: 2000-09-28
PRIOR APPLICATION NUMBER: US 60/157,137
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: US 60/163,280
PRIOR FILING DATE: 1999-11-03
NUMBER OF SEQ ID NOS: 8564
SOFTWARE: PatentIn Ver. 3.0
SEQ ID NO 4846
LENGTH: 355
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (342)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: MISC FEATURE
LOCATION: (348)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: MISC FEATURE
LOCATION: (351)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: MISC FEATURE
LOCATION: (352)

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Query Match 94.5%; Score 86; DB 5; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.7e-07;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMAMNITS 18  
DB 11 RRRYDALNTVMAMNITS 28

## RESULT 8

US-10-752-505-24  
; Sequence 24, Application US/10752505  
; Publication No. US20050137138A1  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamasaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tamio  
; TITLE OF INVENTION: 52F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/10/752,505  
; CURRENT FILING DATE: 2004-01-08  
; PRIOR APPLICATION NUMBER: US/09/269,576  
; PRIOR FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 24  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-752-505-24

Query Match 94.5%; Score 86; DB 5; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.7e-07;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMAMNITS 18  
DB 11 RRRYDALNTVMAMNITS 28

## RESULT 9

US-10-856-499-1157  
; Sequence 1157, Application US/10856499  
; Publication No. US20040259145A1  
; GENERAL INFORMATION:  
; APPLICANT: Wood, Marion  
; APPLICANT: Shenk, Michael A.  
; APPLICANT: McGrath, Annette  
; APPLICANT: Glenn, Matthew  
; TITLE OF INVENTION: Compositions and Methods for the  
; TITLE OF INVENTION: Modification of Gene Transcription  
; FILE REFERENCE: 11000.1021C2  
; CURRENT APPLICATION NUMBER: US/10/856,499  
; CURRENT FILING DATE: 2004-05-28  
; NUMBER OF SEQ ID NOS: 2370  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1157  
; LENGTH: 119  
; TYPE: PRT  
; ORGANISM: Pinus radiata  
US-10-856-499-1157

Query Match 94.5%; Score 86; DB 5; Length 119;  
Best Local Similarity 94.7%; Pred. No. 9.1e-07;  
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMAMNITSK 19  
DB 74 RRRYDALNTVMAMNITSK 92

RESULT 10  
US-10-856-499-1056  
; Sequence 1056, Application US/10856499  
; Publication No. US20040259145A1  
; GENERAL INFORMATION:  
; APPLICANT: Wood, Marion  
; APPLICANT: Shenk, Michael A.  
; APPLICANT: McGrath, Annette  
; APPLICANT: Glenn, Matthew  
; TITLE OF INVENTION: Compositions and Methods for the  
; TITLE OF INVENTION: Modification of Gene Transcription  
; FILE REFERENCE: 11000.1021C2  
; CURRENT APPLICATION NUMBER: US/10/856,499  
; CURRENT FILING DATE: 2004-05-28  
; NUMBER OF SEQ ID NOS: 2370  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1056  
; LENGTH: 120  
; TYPE: PRT  
; ORGANISM: Pinus radiata  
US-10-856-499-1056

Query Match 94.5%; Score 86; DB 5; Length 120;  
Best Local Similarity 94.7%; Pred. No. 9.1e-07;  
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMAMNITSK 19  
DB 73 RRRYDALNTVMAMNITSK 91

RESULT 11  
US-10-424-599-234773  
; Sequence 234773, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 234773  
; LENGTH: 165  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_54029C.1.pep  
US-10-424-599-234773

Query Match 94.5%; Score 86; DB 4; Length 165;  
Best Local Similarity 94.7%; Pred. No. 1.3e-06;  
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMAMNITSK 19  
DB 145 RRRYDALNTVMAMNITSK 163

RESULT 12  
US-10-425-114-71403  
; Sequence 71403, Application US/10425114  
; Publication No. US20040034888A1



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/ GENERAL INFORMATION:
/ APPLICANT: Liu, Jingdong
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Screen, Steven E
/ APPLICANT: Tabaka, Jack E
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
/ FILE REFERENCE: 38-21(5313)B
/ CURRENT FILING DATE: 2003-04-28
/ CURRENT APPLICATION NUMBER: US/10/425,114
/ NUMBER OF SEQ ID NOS: 73128
/ SEQ ID NO 71403
/ LENGTH: 207
/ TYPE: PRT
/ ORGANISM: Zea mays subsp. mexicana
/ FEATURE:
/ OTHER INFORMATION: Clone ID: UC-ZMR07EOSINTE119B07_FLI.pep
US-10-425-114-71403

Query Match          94.5%; Score 86; DB 4; Length 207;
Best Local Similarity 94.7%; Pred. No. 1.7e-06;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYYDALNTVMAMNISK 19
Db 9 RRRYYDALNTVMAMNISK 27

RESULT 13
US-10-425-114-36974
/ Sequence 36974, Application US/10425114
/ Publication No. US20040034888A1
/ GENERAL INFORMATION:
/ APPLICANT: Liu, Jingdong
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Screen, Steven E
/ APPLICANT: Tabaka, Jack E
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
/ FILE REFERENCE: 38-21(5313)B
/ CURRENT FILING DATE: 2003-04-28
/ CURRENT APPLICATION NUMBER: US/10/425,114
/ NUMBER OF SEQ ID NOS: 73128
/ SEQ ID NO 36974
/ LENGTH: 222
/ TYPE: PRT
/ ORGANISM: Glycine max
/ FEATURE:
/ OTHER INFORMATION: Clone ID: LIB3170-045-C12_FLI.pep
US-10-425-114-36974

Query Match          94.5%; Score 86; DB 4; Length 222;
Best Local Similarity 94.7%; Pred. No. 1.8e-06;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYYDALNTVMAMNISK 19
Db 30 RRRYYDALNTVMAMNISK 48

RESULT 14
US-10-425-115-272014
/ Sequence 272014, Application US/10425115
/ Publication No. US20040214272A1
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa, Thomas J.
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
```

```
/ TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
/ FILE REFERENCE: 38-21(53222)B
/ CURRENT APPLICATION NUMBER: US/10/425,115
/ CURRENT FILING DATE: 2003-04-28
/ NUMBER OF SEQ ID NOS: 369326
/ SEQ ID NO 272014
/ LENGTH: 301
/ TYPE: PRT
/ ORGANISM: Zea mays
/ FEATURE:
/ OTHER INFORMATION: Clone ID: MFT4577_179669C.1.pep
US-10-425-115-272014

Query Match          94.5%; Score 86; DB 4; Length 301;
Best Local Similarity 94.7%; Pred. No. 2.6e-06;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYYDALNTVMAMNISK 19
Db 103 RRRYYDALNTVMAMNISK 121

RESULT 15
US-10-424-599-185947
/ Sequence 185947, Application US/10424599
/ Publication No. US20040031072A1
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa, Thomas J
/ APPLICANT: Kovalic, David K
/ APPLICANT: Zhou Yihua
/ APPLICANT: Cao Yongwei
/ TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
/ FILE REFERENCE: 38-21(53223)B
/ CURRENT FILING DATE: 2003-04-28
/ CURRENT APPLICATION NUMBER: US/10/424,599
/ NUMBER OF SEQ ID NOS: 285684
/ SEQ ID NO 185947
/ LENGTH: 314
/ TYPE: PRT
/ ORGANISM: Glycine max
/ FEATURE:
/ OTHER INFORMATION: Clone ID: PAT_MRT3847_138923C.1.pep
US-10-424-599-185947

Query Match          94.5%; Score 86; DB 4; Length 314;
Best Local Similarity 94.7%; Pred. No. 2.7e-06;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYYDALNTVMAMNISK 19
Db 122 RRRYYDALNTVMAMNISK 140

RESULT 16
US-10-437-963-166158
/ Sequence 166158, Application US/10437963
/ Publication No. US20040123343A1
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa, Thomas J.
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
/ APPLICANT: Wu, Wei
/ APPLICANT: Boukharov, Andrey A.
/ APPLICANT: Barbazuk, Brad
/ APPLICANT: Li, Bing
/ TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
/ FILE REFERENCE: 38-21(53221)B
/ CURRENT APPLICATION NUMBER: US/10/437,963
/ CURRENT FILING DATE: 2003-05-14
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NUMBER OF SEQ ID NOS: 204966  
SEQ ID NO 166158  
LENGTH: 318  
TYPE: PRT  
ORGANISM: Oryza sativa  
FEATURE:  
OTHER INFORMATION: Clone ID: PAT\_MRT4530\_64895C.1.pep  
US-10-437-963-166158

Query Match 94.5%; Score 86; DB 4; Length 318;  
Best Local Similarity 94.7%; Pred. No. 2.8e-06;  
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVDAALNVLMMNIISK 19  
Db 153 RRRVDAALNVLMMNIISK 171

RESULT 17  
US-10-424-599-186648  
Sequence 186648, Application US/10424599  
Publication No. US20040031072A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa Thomas J  
APPLICANT: Kovalic David K  
APPLICANT: Zhou Yihua  
APPLICANT: Cao Yongwei  
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
FILE REFERENCE: 38-21(53223)B  
CURRENT APPLICATION NUMBER: US/10/424,599  
NUMBER OF SEQ ID NOS: 285684  
SEQ ID NO 186648  
LENGTH: 320  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: unsure  
LOCATION: (1)..(320)  
OTHER INFORMATION: unsure at all Xaa locations  
FEATURE:  
OTHER INFORMATION: Clone ID: PAT\_MRT3847\_139556C.1.pep  
US-10-424-599-186648

Query Match 94.5%; Score 86; DB 4; Length 320;  
Best Local Similarity 94.7%; Pred. No. 2.8e-06;  
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVDAALNVLMMNIISK 19  
Db 124 RRRVDAALNVLMMNIISK 142

RESULT 18  
US-10-739-930-6734  
Sequence 6734, Application US/10739930  
Publication No. US20040216190A1  
GENERAL INFORMATION:  
APPLICANT: Kovalic, David K.  
TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH  
TITLE OF INVENTION: PLANTS AND USES THEREOF FOR PLANT IMPROVEMENT  
FILE REFERENCE: 38-21(53377)B  
CURRENT APPLICATION NUMBER: US/10/739,930  
CURRENT FILING DATE: 2003-12-18  
NUMBER OF SEQ ID NOS: 11088  
SEQ ID NO 6734  
LENGTH: 385  
TYPE: PRT  
ORGANISM: Arabidopsis thaliana  
FEATURE:  
OTHER INFORMATION: Clone ID: ARATH-23APR03-C801\_1.p  
US-10-739-930-6734

Query Match 94.5%; Score 86; DB 5; Length 385;  
Best Local Similarity 94.7%; Pred. No. 3.5e-06;  
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVDAALNVLMMNIISK 19  
Db 155 RRRVDAALNVLMMNIISK 173

RESULT 19  
US-11-097-143-9348  
Sequence 9348, Application US/11097143  
Publication No. US20050208558A1  
GENERAL INFORMATION:  
APPLICANT: Venter, J. Craig  
APPLICANT: et al.  
TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID  
TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE  
FILE REFERENCE: C1000728  
CURRENT APPLICATION NUMBER: US/11/097,143  
CURRENT FILING DATE: 2005-04-04  
PRIOR APPLICATION NUMBER: 60/157,832  
PRIOR FILING DATE: 1999-10-05  
PRIOR APPLICATION NUMBER: 60/160,191  
PRIOR FILING DATE: 1999-10-19  
PRIOR APPLICATION NUMBER: 60/161,932  
PRIOR FILING DATE: 1999-10-28  
PRIOR APPLICATION NUMBER: 60/164,769  
PRIOR FILING DATE: 1999-11-12  
PRIOR APPLICATION NUMBER: 60/173,383  
PRIOR FILING DATE: 1999-12-28  
PRIOR APPLICATION NUMBER: 60/175,693  
PRIOR FILING DATE: 2000-01-12  
PRIOR APPLICATION NUMBER: 60/184,831  
PRIOR FILING DATE: 2000-02-24  
PRIOR APPLICATION NUMBER: 60/191,637  
PRIOR FILING DATE: 2000-03-23  
NUMBER OF SEQ ID NOS: 43008  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 9348  
LENGTH: 445  
TYPE: PRT  
ORGANISM: DROSOPHILA  
US-11-097-143-9348

Query Match 94.5%; Score 86; DB 6; Length 445;  
Best Local Similarity 89.5%; Pred. No. 4.1e-06;  
Matches 17; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVDAALNVLMMNIISK 19  
Db 216 RRRVDAALNVLMMNIISK 234

RESULT 20  
US-10-437-963-167076  
Sequence 167076, Application US/10437963  
Publication No. US20040123343A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovalic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
APPLICANT: Wu, Wei  
APPLICANT: Boukharov, Andrey A.  
APPLICANT: Barbazuk, Brad  
APPLICANT: Li, Ping  
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
FILE REFERENCE: 38-21(53221)B  
CURRENT APPLICATION NUMBER: US/10/437,963

OTHER INFORMATION: Clone ID: MRF4577\_101857C.1.pep  
US-10-425-115-186696  
Query Match  
Best Local Similarity 93.4%; Score 85; DB 4; Length 341;  
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Query Match  
Best Local Similarity 94.7%; Pred. No. 3.3e-06;  
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 RRRYDALTVMAMNITK 19  
DB 155 RRRYDALTVMAMNITK 173

RESULT 21  
US-10-425-114-46555  
Sequence 46555, Application US/10425114  
Publication No. US20040034888A1  
GENERAL INFORMATION:  
APPLICANT: Liu, Jingdong  
APPLICANT: Zhou, Yihua  
APPLICANT: Kovalic, David K.  
APPLICANT: Screen, Steven E.  
APPLICANT: Tabaka, Jack E.  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
FILE REFERENCE: 38-21(5313)B  
CURRENT APPLICATION NUMBER: US/10/425,114  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 73128  
SEQ ID NO 46555  
LENGTH: 336  
TYPE: PRT  
ORGANISM: Zea mays  
FEATURES:  
OTHER INFORMATION: Clone ID: 700347688\_FLI.pep  
US-10-425-114-46555

Query Match  
Best Local Similarity 93.4%; Score 85; DB 4; Length 336;  
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 RRRYDALTVMAMNITK 19  
DB 139 RRRYDALTVMAMNITK 157

RESULT 22  
US-10-425-115-186696  
Sequence 186696, Application US/10425115  
Publication No. US20040214272A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovalic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
TITLE OF INVENTION: Plants  
FILE REFERENCE: 38-21(53222)B  
CURRENT APPLICATION NUMBER: US/10/425,115  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 369326  
SEQ ID NO 186696  
LENGTH: 341  
TYPE: PRT  
ORGANISM: Zea mays  
FEATURES:

OTHER INFORMATION: Clone ID: MRF4577\_101857C.1.pep  
US-10-425-115-186696  
Query Match  
Best Local Similarity 93.4%; Score 85; DB 4; Length 341;  
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 RRRYDALTVMAMNITK 19  
DB 144 RRRYDALTVMAMNITK 162

RESULT 23  
US-09-220-091-7  
Sequence 7, Application US/09220091  
Patent No. US20020064523A1  
GENERAL INFORMATION:  
APPLICANT: H. Robert Horvitz  
APPLICANT: Craig Ceol  
APPLICANT: Xiaowei Lu  
TITLE OF INVENTION: A TUMOR SUPPRESSOR PATHWAY IN C. ELEGANS  
FILE REFERENCE: 01997/202003  
CURRENT APPLICATION NUMBER: US/09/220,091  
CURRENT FILING DATE: 1998-12-23  
EARLIER APPLICATION NUMBER: 60/047,996  
EARLIER FILING DATE: 1997-05-28  
EARLIER APPLICATION NUMBER: 09/087,136  
EARLIER FILING DATE: 1998-05-28  
NUMBER OF SEQ ID NOS: 19  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 7  
LENGTH: 575  
TYPE: PRT  
ORGANISM: Caenorhabditis elegans  
US-09-220-091-7

Query Match  
Best Local Similarity 89.5%; Pred. No. 8.1e-06;  
Matches 17; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALTVMAMNITK 19  
DB 102 RRRYDALTVMAMNITK 120

RESULT 24  
US-09-900-147-15  
Sequence 15, Application US/09900147  
Patent No. US20020103121A1  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
APPLICANT: Bandara, Lasantha R  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/900,147  
CURRENT FILING DATE: 2001-07-09  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 15  
LENGTH: 19  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURES:  
OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-900-147-15

Query Match  
Best Local Similarity 91.2%; Score 83; DB 3; Length 19;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 RRRVYDALNVTMMNTII 19  
| | | | | | | | | |  
Db 1 RRRVYDALNVTMMNTII 19

## RESULT 25

US-10-752-505-3  
; Sequence 3, Application US/10752505  
; Publication No. US20050137138A1  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamasaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tamio  
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/10/752,505  
; CURRENT FILING DATE: 2004-01-08  
; PRIOR APPLICATION NUMBER: US/09/269,576  
; PRIOR FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 3  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-asparagine  
; NAME/KEY: Modified-site  
; LOCATION: 28  
; OTHER INFORMATION: Xaa at position 28 representing L-serinamide  
US-10-752-505-3

Query Match 90.1%; Score 82; DB 5; Length 28;  
Best Local Similarity 100.0%; Pred. No. 8.4e-07;  
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRRVYDALNVTMMNTII 17  
| | | | | | | | | |  
Db 11 RRRVYDALNVTMMNTII 27

## RESULT 26

US-10-752-505-21  
; Sequence 21, Application US/10752505  
; Publication No. US20050137138A1  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamasaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tamio  
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/10/752,505  
; CURRENT FILING DATE: 2004-01-08  
; PRIOR APPLICATION NUMBER: US/09/269,576  
; PRIOR FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8

; SEQ ID NO 21  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: Xaa at position 1 representing N-lauryl-L-asparagine  
; NAME/KEY: Modified-site  
; LOCATION: 28  
; OTHER INFORMATION: Xaa at position 28 representing L-serinamide  
US-10-752-505-21

Query Match 90.1%; Score 82; DB 5; Length 28;  
Best Local Similarity 100.0%; Pred. No. 8.4e-07;  
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRRVYDALNVTMMNTII 17  
| | | | | | | | | |  
Db 11 RRRVYDALNVTMMNTII 27

## RESULT 27

US-10-053-248-24  
; Sequence 24, Application US/10053248  
; Publication No. US20030144188A1  
; GENERAL INFORMATION:  
; APPLICANT: Lin, Biaoyang  
; TITLE OF INVENTION: Androgen Regulated Nucleic Acid  
; TITLE OF INVENTION: Molecules and Encoded Proteins  
; FILE REFERENCE: P-1S 4814  
; CURRENT APPLICATION NUMBER: US/10/053,248  
; CURRENT FILING DATE: 2002-01-15  
; NUMBER OF SEQ ID NOS: 34  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 24  
; LENGTH: 405  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-053-248-24

Query Match 89.0%; Score 81; DB 4; Length 405;  
Best Local Similarity 84.2%; Pred. No. 2.6e-05;  
Matches 16; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RRRVYDALNVTMMNTII 19  
| | | | | | | | | |  
Db 161 KRRTYDALNVTMMNTISR 179

## RESULT 28

US-10-345-837-24  
; Sequence 24, Application US/10345837  
; Publication No. US20040137440A1  
; GENERAL INFORMATION:  
; APPLICANT: Lin, Biaoyang  
; TITLE OF INVENTION: Androgen Regulated Nucleic Acid  
; TITLE OF INVENTION: Molecules and Encoded Proteins  
; FILE REFERENCE: P-1S 5589  
; CURRENT APPLICATION NUMBER: US/10/345,837  
; CURRENT FILING DATE: 2003-01-15  
; PRIOR APPLICATION NUMBER: US 10/053,248  
; PRIOR FILING DATE: 2002-01-15  
; NUMBER OF SEQ ID NOS: 34  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 24  
; LENGTH: 405  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-345-837-24

Query Match 89.0%; Score 81; DB 4; Length 405;  
Best Local Similarity 84.2%; Pred. No. 2.6e-05;  
Matches 16; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 RRRVYDALNTVMANNITISK 19  
DB 161 KRRYVDALNTVMANNITISK 179

RESULT 29  
US-09-900-147-17  
; Sequence 17, Application US/09900147  
; Patent No. US20020103121A1  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/900,147  
; PRIOR FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 17  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-900-147-17

Query Match 86.8%; Score 79; DB 3; Length 19;  
Best Local Similarity 89.5%; Pred. No. 1.8e-06;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 RRRVYDALNTVMANNITISK 19  
DB 1 RRRVYDARNVMMANNITISK 19

RESULT 30  
US-09-900-147-16  
; Sequence 16, Application US/09900147  
; Patent No. US20020103121A1  
; GENERAL INFORMATION:  
; APPLICANT: Bandara, Lasantha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/900,147  
; PRIOR FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 16  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-900-147-16

Query Match 84.6%; Score 77; DB 3; Length 19;  
Best Local Similarity 89.5%; Pred. No. 3.9e-06;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 RRRVYDALNTVMANNITISK 19  
DB 1 RRVYDALNTVMANNITISK 19

RESULT 31  
US-09-900-147-5  
; Sequence 5, Application US/09900147  
; Patent No. US20020103121A1  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/900,147  
; PRIOR FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 5  
; LENGTH: 16  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-900-147-5

Query Match 83.5%; Score 76; DB 3; Length 16;  
Best Local Similarity 100.0%; Pred. No. 4.7e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 RRVYDALNTVMANNITIS 18  
DB 1 RRVYDALNTVMANNITIS 16

RESULT 32  
US-10-752-505-26  
; Sequence 26, Application US/10752505  
; Publication No. US20050137138A1  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamaseki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tamio  
; TITLE OF INVENTION: B2P Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/10/752,505  
; PRIOR FILING DATE: 2004-01-08  
; PRIOR APPLICATION NUMBER: US/09/269,576  
; PRIOR FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 26  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
; NAME/KEY: Modified-site  
; LOCATION: 1-10 and 26-29  
; OTHER INFORMATION: any one or all of amino acids 1-10 and 26-29 may be present or abs  
; NAME/KEY: Modified-site  
; LOCATION: 1

OTHER INFORMATION: Xaa at position 1 represents Asn, Thr, Ala or Tyr  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 2  
OTHER INFORMATION: Xaa at position 2 represents Glu or Asp  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 3  
OTHER INFORMATION: Xaa at position 3 represents Ser or Asn  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 5  
OTHER INFORMATION: Xaa at position 5 represents Ala or Asn  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 6  
OTHER INFORMATION: Xaa at position 6 represents Tyr or Cys  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 9  
OTHER INFORMATION: Xaa at position 9 represents Lys or Glu  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 25  
OTHER INFORMATION: Xaa at position 25 represents Met or Ile  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 27  
OTHER INFORMATION: Xaa at position 27 represents Ile or Val  
US-10-752-505-26

Query Match 82.4%; Score 75; DB 5; Length 29;  
Best Local Similarity 88.9%; Pred. No. 1.4e-05;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 RRRVYDALNTVMANNITISK 18  
DB 12 RRRVYDALNTVMANNITISK 29

RESULT 33  
US-10-489-500-4  
Sequence 4, Application US/10489500  
Publication No. US20050059154A1  
GENERAL INFORMATION:  
APPLICANT: Tom Beeckman  
APPLICANT: Eleven De Veylder  
APPLICANT: Dirk Inze  
APPLICANT: Vladimir Mironov  
APPLICANT: Willem Broekaert  
APPLICANT: Willy Dillen  
APPLICANT: Valerie Frankard  
TITLE OF INVENTION: A METHOD TO MODIFY CELL NUMBER, ARCHITECTURE AND YIELD OF PLANTS  
TITLE OF INVENTION: OVEREXPRESSION OF THE E2F TRANSCRIPTION FACTOR  
FILE REFERENCE: 1187-34  
CURRENT APPLICATION NUMBER: US/10/489,500  
CURRENT FILING DATE: 2004-03-12  
PRIOR APPLICATION NUMBER: EP 01870198.7  
PRIOR FILING DATE: 2001-09-14  
PRIOR APPLICATION NUMBER: PCT/EP02/10236  
PRIOR FILING DATE: 2002-09-12  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 4  
LENGTH: 292  
TYPE: PRT  
ORGANISM: Arabidopsis thaliana  
US-10-489-500-4

Query Match 80.2%; Score 73; DB 5; Length 292;  
Best Local Similarity 73.7%; Pred. No. 0.00042;  
Matches 14; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 RRRVYDALNTVMANNITISK 19  
DB 106 RRRVYDALNTVMANNITISK 124

RESULT 34  
US-09-900-147-6  
Sequence 6, Application US/09900147  
Patent No. US20020103121A1  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
APPLICANT: Bandera, Laseantha R  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/900,147  
CURRENT FILING DATE: 2001-07-09  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 6  
LENGTH: 30  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-900-147-6

Query Match 79.1%; Score 72; DB 3; Length 30;  
Best Local Similarity 100.0%; Pred. No. 4.7e-05;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 YDALNTVMANNITISK 19  
DB 1 YDALNTVMANNITISK 15

RESULT 35  
US-10-425-115-188778  
Sequence 188778, Application US/10425115  
Publication No. US20040214272A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovalic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
TITLE OF INVENTION: Plants  
FILE REFERENCE: 38-21(53222)B  
CURRENT APPLICATION NUMBER: US/10/425,115  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 369326  
SEQ ID NO 188778  
LENGTH: 250  
TYPE: PRT  
ORGANISM: Zea mays  
FEATURE:  
NAME/KEY: unsure  
LOCATION: (1)..(250)  
OTHER INFORMATION: unsure at all Xaa locations  
FEATURE:  
OTHER INFORMATION: Clone ID: MRT4577\_103754C.1.pep  
US-10-425-115-188778

Query Match 76.9%; Score 70; DB 4; Length 250;  
Best Local Similarity 68.4%; Pred. No. 0.0012;  
Matches 13; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1 RRRVYDALNTVMANNITISK 19  
DB 109 RRRVYDALNTVMANNITISK 127

RESULT 36  
US-09-900-147-11  
; Sequence 11, Application US/09900147  
; Patent No. US20020103121A1  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandara, Laseantha R  
; TITLE OF INVENTION: Peptide antagonists of DE transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/900,147  
; CURRENT FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 11  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-900-147-11

Query Match 75.8%; Score 69; DB 3; Length 14;  
Best Local Similarity 100.0%; Pred. No. 6.4e-05;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 2 RRRYDALNTVMAMN 15  
Db 1 RRYVDALNTVMAMN 14

RESULT 37  
US-10-437-963-136371  
; Sequence 136371, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovacic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 136371  
; LENGTH: 369  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_37957C.1.pep  
US-10-437-963-136371

Query Match 75.8%; Score 69; DB 4; Length 369;  
Best Local Similarity 68.4%; Pred. No. 0.0027;  
Matches 13; Conservative 4; Mismatches 2; Indels 0; Gaps 0;  
Qy 1 RRRYDALNTVMAMNISK 19  
Db 221 RRRYDALNTVMAMNISK 239

RESULT 38

US-10-752-505-23  
; Sequence 23, Application US/10752505  
; Publication No. US20050137138A1  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamasaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tamio  
; TITLE OF INVENTION: B2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/10/752,505  
; CURRENT FILING DATE: 2004-01-08  
; PRIOR APPLICATION NUMBER: US/09/269,576  
; PRIOR FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 23  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-752-505-23

Query Match 74.7%; Score 68; DB 5; Length 15;  
Best Local Similarity 100.0%; Pred. No. 0.0001;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 RRRYDALNTVMAMN 14  
Db 2 RRYVDALNTVMAMN 15

RESULT 39  
US-10-450-763-35867  
; Sequence 35867, Application US/10450763  
; Publication No. US20050196754A1  
; GENERAL INFORMATION:  
; APPLICANT: Hyeeg, Inc  
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 790CIP3/US  
; CURRENT APPLICATION NUMBER: US/10/450,763  
; CURRENT FILING DATE: 2003-06-11  
; PRIOR APPLICATION NUMBER: PCT/US01/08631  
; PRIOR FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: 09/540,217  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: 09/649,167  
; PRIOR FILING DATE: 2000-08-23  
; NUMBER OF SEQ ID NOS: 60736  
; SOFTWARE: Custom  
; SEQ ID NO 35867  
; LENGTH: 185  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-450-763-35867

Query Match 73.6%; Score 67; DB 5; Length 185;  
Best Local Similarity 78.9%; Pred. No. 0.0027;  
Matches 15; Conservative 2; Mismatches 2; Indels 0; Gaps 0;  
Qy 1 RRRYDALNTVMAMNISK 19  
Db 152 RRRYDALNTVMAMNISK 170

RESULT 40  
US-10-752-505-4  
; Sequence 4, Application US/10752505

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/ Publication No. US20050137138A1
/ GENERAL INFORMATION:
/ APPLICANT: Shubata, Kenji
/ APPLICANT: Yamanaaki, Motoo
/ APPLICANT: Yoshida, Tetsuo
/ APPLICANT: Mizukami, Tamio
/ TITLE OF INVENTION: 52F Activity-Inhibiting Compound
/ FILE REFERENCE: 766.29
/ CURRENT APPLICATION NUMBER: US/10/752,505
/ PRIOR FILING DATE: 2004-01-08
/ PRIOR APPLICATION NUMBER: US/09/269,576
/ PRIOR FILING DATE: 1999-03-30
/ PRIOR APPLICATION NUMBER: PCT/JP97/03442
/ PRIOR FILING DATE: 1997-09-26
/ PRIOR APPLICATION NUMBER: JP 259432/1996
/ PRIOR FILING DATE: 1996-09-30
/ NUMBER OF SEQ ID NOS: 27
/ SOFTWARE: WordPerfect 8
/ SEQ ID NO 4
/ LENGTH: 15
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic
/ NAME/KEY: Modified-site
/ LOCATION: 1
/ OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-isoleucine
/ FEATURE:
/ NAME/KEY: Modified-site
/ LOCATION: 15
/ OTHER INFORMATION: Xaa at position 15 representing L-methioninamide
/ US-10-752-505-4
Query Match          69.2%; Score 63; DB 5; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.00074;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 RRRYDALNVLMA 13  
Db 2 RRRYDALNVLMA 14

RESULT 41  
US-09-864-761-45697  
Sequence 45697, Application US/09864761  
Patent No. US20020048763A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharon G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
APPLICANT: Chen, Wensheng  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
FILE REFERENCE: Aeomica-X-1  
CURRENT APPLICATION NUMBER: US/09/864,761  
CURRENT FILING DATE: 2001-05-23  
PRIOR APPLICATION NUMBER: US 60/180,312  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: US 60/207,456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 09/632,366  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: GB 24263.6  
PRIOR FILING DATE: 2000-10-04  
PRIOR APPLICATION NUMBER: US 60/236,359  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: PCT/US01/00666  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00667  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00664  
PRIOR FILING DATE: 2001-01-30

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/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00662
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00661
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00670
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 60/234,687
/ PRIOR FILING DATE: 2000-09-21
/ PRIOR APPLICATION NUMBER: US 09/608,408
/ PRIOR FILING DATE: 2000-06-30
/ PRIOR APPLICATION NUMBER: US 09/774,203
/ PRIOR FILING DATE: 2001-01-29
/ NUMBER OF SEQ ID NOS: 49117
/ SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
/ SEQ ID NO 45697
/ LENGTH: 96
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ OTHER INFORMATION: MAP TO AC021804.3
/ OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.89
/ OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.99
/ OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.9
/ OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.88
/ OTHER INFORMATION: EXPRESSED IN PETAL LIVER, SIGNAL = 0.75
/ OTHER INFORMATION: EST HUMAN HIT: BR880658.1, EVALU8 2.00e-51
/ OTHER INFORMATION: SWISSPROT HIT: Q61501, EVALU8 5.00e-06
/ US-09-864-761-45697
Query Match          63.7%; Score 58; DB 3; Length 96;
Best Local Similarity 47.4%; Pred. No. 0.044;
Matches 9; Conservative 8; Mismatches 2; Indels 0; Gaps 0;
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QY 1 RRRYDALNVLMA11SK 19  
Db 3 RRRYDALNVLMA11SK 21

RESULT 42  
US-10-732-923-3274  
Sequence 3274, Application US/10732923  
Publication No. US20050108791A1  
GENERAL INFORMATION:  
APPLICANT: Edgeron, Michael D  
TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES  
FILE REFERENCE: 38-15(52796)C  
CURRENT APPLICATION NUMBER: US/10/732,923  
CURRENT FILING DATE: 2003-12-10  
PRIOR APPLICATION NUMBER: 10/310,154  
PRIOR FILING DATE: 2002-12-04  
NUMBER OF SEQ ID NOS: 24149  
SEQ ID NO 3274  
LENGTH: 323  
TYPE: PRT  
ORGANISM: Arabidopsis thaliana  
US-10-732-923-3274

Query Match 63.7%; Score 58; DB 5; Length 323;  
Best Local Similarity 61.1%; Pred. No. 0.18;  
Matches 11; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 2 RRRYDALNVLMA11SK 19  
Db 162 RRLYDIANVLSSKNL1EK 179



## RESULT 43

US-10-310-154-448  
; Sequence 448, Application US/10310154  
; Publication No. US20030233670A1  
; GENERAL INFORMATION:  
; APPLICANT: Edgerton, Michael D  
; APPLICANT: Chomet, Paul S.  
; APPLICANT: Adams, Thomas H  
; APPLICANT: Ruff, Thomas G.  
; APPLICANT: Agarwal, Ameeta K.  
; APPLICANT: Ahrens, Jeffrey E.  
; APPLICANT: Ball, James A.  
; APPLICANT: Banu, G.  
; APPLICANT: Bell, Erin  
; APPLICANT: Boddupalli, Raghava  
; APPLICANT: Deikman, Jill  
; APPLICANT: Deng, Mojian  
; APPLICANT: Dong, Jinhua  
; APPLICANT: Duff, Stephen M.  
; APPLICANT: Galligan, Meghan M.  
; APPLICANT: Hinchey, Brenda S.  
; APPLICANT: Huang, Shihshieh  
; APPLICANT: Johnson, G. Richard  
; APPLICANT: Jung, Vincent  
; APPLICANT: Kretzmer, Keith A.  
; APPLICANT: Laccetti, Lucille B.  
; APPLICANT: Lai, Chao-Qiang  
; APPLICANT: Lee, Gary  
; APPLICANT: Lin, Jie-Yi  
; APPLICANT: Liu, Jingtong  
; APPLICANT: Lu, Bin  
; APPLICANT: Luethy, Michael M.  
; APPLICANT: Lund, Adrian  
; APPLICANT: Madson, Linda L.  
; APPLICANT: Malloy, Kathleen A.  
; APPLICANT: McKiel, Christine L.  
; APPLICANT: Miller, Philip W.  
; APPLICANT: Padmavathi, Manthikanti  
; APPLICANT: Parnell, Laurence D.  
; APPLICANT: Start, William G.  
; APPLICANT: Tennesen, Dan  
; APPLICANT: Vidya, K.R.  
; APPLICANT: Wang, Haiyun  
; APPLICANT: Xin, Zhanguo  
; APPLICANT: Xu, Nanfei  
; APPLICANT: Yang, Chunzhi  
; APPLICANT: Zeng, Xiaoping  
; APPLICANT: Zhang, Qiang  
; APPLICANT: Zhao, Yajuan  
; APPLICANT: Zhou, Li  
; TITLE OF INVENTION: Gene Sequences and Uses Thereof in Plants  
; FILE REFERENCE: 38-15(52796)B  
; CURRENT APPLICATION NUMBER: US/10/310,154  
; PRIOR FILING DATE: 2002-12-04  
; PRIOR APPLICATION NUMBER: 60/337,358  
; PRIOR FILING DATE: 2001-12-04  
; NUMBER OF SEQ ID NOS: 736  
; SEQ ID NO 448  
; LENGTH: 346  
; TYPE: PRT  
; ORGANISM: Glycine max  
US-10-310-154-448

Query Match 63.7%; Score 58; DB 4; Length 346;  
Best Local Similarity 61.1%; Pred. No. 0.19;  
Matches 11; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
QY 2 RRYVDALNVLMANNIISK 19  
||:|||||:|||||  
Db 192 RRLYDIANVLVSMNLIEK 209

## RESULT 44

US-10-732-923-3273  
; Sequence 3273, Application US/10732923  
; Publication No. US20050108791A1  
; GENERAL INFORMATION:  
; APPLICANT: Edgerton, Michael D  
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES  
; FILE REFERENCE: 38-15(52796)C  
; CURRENT APPLICATION NUMBER: US/10/732,923  
; CURRENT FILING DATE: 2003-12-10  
; PRIOR APPLICATION NUMBER: 10/310,154  
; PRIOR FILING DATE: 2002-12-04  
; NUMBER OF SEQ ID NOS: 24149  
; SEQ ID NO 3273  
; LENGTH: 379  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
US-10-732-923-3273

Query Match 63.7%; Score 58; DB 5; Length 379;  
Best Local Similarity 61.1%; Pred. No. 0.21;  
Matches 11; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
QY 2 RRYVDALNVLMANNIISK 19  
||:|||||:|||||  
Db 218 RRLYDIANVLVSMNLIEK 235

## RESULT 45

US-10-425-114-40179  
; Sequence 40179, Application US/10425114  
; Publication No. US20040034888A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jingtong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E  
; APPLICANT: Tabaek, Jack E  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53313)B  
; CURRENT APPLICATION NUMBER: US/10/425,114  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 40179  
; LENGTH: 381  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: 701055086\_FLI.pep  
US-10-425-114-40179

Query Match 63.7%; Score 58; DB 4; Length 381;  
Best Local Similarity 61.1%; Pred. No. 0.21;  
Matches 11; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
QY 2 RRYVDALNVLMANNIISK 19  
||:|||||:|||||  
Db 207 RRLYDIANVLVSMNLIEK 224

## RESULT 46

US-10-732-923-534  
; Sequence 534, Application US/10732923  
; Publication No. US20050108791A1  
; GENERAL INFORMATION:  
; APPLICANT: Edgerton, Michael D  
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES  
; FILE REFERENCE: 38-15(52796)C  
; CURRENT APPLICATION NUMBER: US/10/732,923  
; CURRENT FILING DATE: 2003-12-10

; PRIOR APPLICATION NUMBER: 10/310,154  
 ; PRIOR FILING DATE: 2002-12-04  
 ; NUMBER OF SEQ ID NOS: 24149  
 ; SEQ ID NO 534  
 ; LENGTH: 402  
 ; TYPE: PRT  
 ; ORGANISM: Glycine max  
 ; FEATURE:  
 ; NAME/KEY: unsure  
 ; LOCATION: (1)..(402)  
 ; OTHER INFORMATION: unsure at all Xaa locations  
 US-10-732-923-534

Query Match 63.7%; Score 58; DB 5; Length 402;  
 Best Local Similarity 61.1%; Pred. No. 0.23;  
 Matches 11; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 2 RRYVDALNVLMANNITISK 19  
 DB 218 RRLYDIANVLSSMWLIK 235

RESULT 47  
 US-10-732-923-3272  
 ; Sequence 3272, Application US/10732923  
 ; Publication No. US20050108791A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Edgerton, Michael D  
 ; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES  
 ; FILE REFERENCE: 38-15(52796)C  
 ; CURRENT APPLICATION NUMBER: US/10/732,923  
 ; CURRENT FILING DATE: 2003-12-10  
 ; PRIOR APPLICATION NUMBER: 10/310,154  
 ; PRIOR FILING DATE: 2002-12-04  
 ; NUMBER OF SEQ ID NOS: 24149  
 ; SEQ ID NO 3272  
 ; LENGTH: 403  
 ; TYPE: PRT  
 ; ORGANISM: Arabidopsis thaliana  
 US-10-732-923-3272

Query Match 63.7%; Score 58; DB 5; Length 403;  
 Best Local Similarity 61.1%; Pred. No. 0.23;  
 Matches 11; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 2 RRYVDALNVLMANNITISK 19  
 DB 218 RRLYDIANVLSSMWLIK 235

RESULT 48  
 US-10-732-923-3265  
 ; Sequence 3265, Application US/10732923  
 ; Publication No. US20050108791A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Edgerton, Michael D  
 ; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES  
 ; FILE REFERENCE: 38-15(52796)C  
 ; CURRENT APPLICATION NUMBER: US/10/732,923  
 ; CURRENT FILING DATE: 2003-12-10  
 ; PRIOR APPLICATION NUMBER: 10/310,154  
 ; PRIOR FILING DATE: 2002-12-04  
 ; NUMBER OF SEQ ID NOS: 24149  
 ; SEQ ID NO 3265  
 ; LENGTH: 421  
 ; TYPE: PRT  
 ; ORGANISM: Mus musculus  
 US-10-732-923-3265

Query Match 63.7%; Score 58; DB 5; Length 421;  
 Best Local Similarity 47.4%; Pred. No. 0.24;  
 Matches 9; Conservative 8; Mismatches 2; Indels 0; Gaps 0;

QY 1 RRYVDALNVLMANNITISK 19  
 DB 184 RRLYDIANVLSSHLVSR 202

RESULT 49  
 US-10-732-923-3267  
 ; Sequence 3267, Application US/10732923  
 ; Publication No. US20050108791A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Edgerton, Michael D  
 ; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES  
 ; FILE REFERENCE: 38-15(52796)C  
 ; CURRENT APPLICATION NUMBER: US/10/732,923  
 ; CURRENT FILING DATE: 2003-12-10  
 ; PRIOR APPLICATION NUMBER: 10/310,154  
 ; PRIOR FILING DATE: 2002-12-04  
 ; NUMBER OF SEQ ID NOS: 24149  
 ; SEQ ID NO 3267  
 ; LENGTH: 878  
 ; TYPE: PRT  
 ; ORGANISM: Mus musculus  
 US-10-732-923-3267

Query Match 63.7%; Score 58; DB 5; Length 878;  
 Best Local Similarity 47.4%; Pred. No. 0.55;  
 Matches 9; Conservative 8; Mismatches 2; Indels 0; Gaps 0;

QY 1 RRYVDALNVLMANNITISK 19  
 DB 184 RRLYDIANVLSSHLVSR 202

RESULT 50  
 US-09-866-050A-672  
 ; Sequence 672, Application US/09866050A  
 ; Publication No. US20030040471A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Watson, James D.  
 ; APPLICANT: Steeman, Matthew  
 ; APPLICANT: Onrust, Rene  
 ; APPLICANT: Murison, James G.  
 ; APPLICANT: Kumble, Krishanand D.  
 ; TITLE OF INVENTION: Compositions Isolated From Skin Cells  
 ; TITLE OF INVENTION: and Methods for Their Use  
 ; FILE REFERENCE: 11000.1011c4U  
 ; CURRENT APPLICATION NUMBER: US/09/866,050A  
 ; CURRENT FILING DATE: 2001-05-24  
 ; NUMBER OF SEQ ID NOS: 725  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 672  
 ; LENGTH: 904  
 ; TYPE: PRT  
 ; ORGANISM: Mouse  
 US-09-866-050A-672

Query Match 63.7%; Score 58; DB 3; Length 904;  
 Best Local Similarity 47.4%; Pred. No. 0.57;  
 Matches 9; Conservative 8; Mismatches 2; Indels 0; Gaps 0;

QY 1 RRYVDALNVLMANNITISK 19  
 DB 184 RRLYDIANVLSSHLVSR 202

Search completed: March 17, 2006, 21:18:58  
 Job time : 148.25 secs

GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: March 17, 2006, 20:52:32 ; Search time 36.7045 Seconds  
(without alignments)  
42.797 Million cell updates/sec

Title: US-09-900-147-3

Perfect score: 91  
Sequence: 1 RRRVYDALNVLMMNIISK 19

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 1000 summaries

Database :

Issued Patents\_Aa:\*

- 1: /cgn2\_6/prodata/1/iaa/5.COMB.pep:\*
- 2: /cgn2\_6/prodata/1/iaa/6.COMB.pep:\*
- 3: /cgn2\_6/prodata/1/iaa/H.COMB.pep:\*
- 4: /cgn2\_6/prodata/1/iaa/PCUS.COMB.pep:\*
- 5: /cgn2\_6/prodata/1/iaa/RS.COMB.pep:\*
- 6: /cgn2\_6/prodata/1/iaa/backtile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	91	100.0	19	2	US-09-308-935-3
2	91	100.0	37	2	US-09-308-935-1
3	91	100.0	72	1	US-08-428-131-11
4	91	100.0	72	2	US-09-078-596-11
5	91	100.0	74	2	US-08-894-139-10
6	91	100.0	331	2	US-09-949-016-9220
7	91	100.0	359	1	US-08-723-4158-4
8	91	100.0	359	2	US-09-189-627A-4
9	91	100.0	370	1	US-09-710-861-4
10	91	100.0	370	2	US-08-723-4158-6
11	91	100.0	370	2	US-09-189-627A-6
12	91	100.0	370	2	US-09-710-861-6
13	91	100.0	385	1	US-08-723-4158-8
14	91	100.0	385	2	US-09-189-627A-8
15	91	100.0	385	2	US-09-710-861-8
16	91	100.0	410	1	US-08-723-4158-10
17	91	100.0	410	1	US-08-723-4158-11
18	91	100.0	410	1	US-08-428-131-2
19	91	100.0	410	1	US-08-602-846-2
20	91	100.0	410	2	US-09-078-596-2
21	91	100.0	410	2	US-09-189-627A-10
22	91	100.0	410	2	US-09-189-627A-11
23	91	100.0	410	2	US-09-710-861-10
24	91	100.0	410	2	US-09-710-861-11
25	91	100.0	415	2	US-09-949-016-8808
26	91	100.0	446	1	US-08-723-4158-2
27	91	100.0	446	2	US-09-189-627A-2

28	91	100.0	446	2	US-09-710-861-2	Sequence 2, Appl1
29	86	94.5	28	2	US-09-269-576G-22	Sequence 22, Appl1
30	86	94.5	28	2	US-09-269-576G-24	Sequence 24, Appl1
31	86	94.5	119	2	US-09-640-211A-1157	Sequence 1157, Ap
32	86	94.5	120	2	US-09-640-211A-1056	Sequence 1056, Ap
33	83	91.2	19	2	US-09-308-935-15	Sequence 15, Appl1
34	82	90.1	28	2	US-09-269-576G-3	Sequence 3, Appl1
35	82	90.1	28	2	US-09-269-576G-21	Sequence 21, Appl1
36	81	89.0	17	1	US-08-428-131-13	Sequence 13, Appl1
37	81	89.0	17	1	US-09-078-596-13	Sequence 13, Appl1
38	79	86.8	19	2	US-09-308-935-17	Sequence 17, Appl1
39	77	84.6	19	2	US-09-308-935-16	Sequence 16, Appl1
40	76	83.5	16	2	US-09-308-935-5	Sequence 5, Appl1
41	75	82.4	29	2	US-09-269-576G-26	Sequence 26, Appl1
42	72	79.1	30	2	US-09-308-935-6	Sequence 6, Appl1
43	69	75.8	14	2	US-09-308-935-11	Sequence 11, Appl1
44	68	74.7	15	2	US-09-269-576G-23	Sequence 23, Appl1
45	63	69.2	15	2	US-09-269-576G-4	Sequence 4, Appl1
46	54	59.3	11	2	US-09-308-935-9	Sequence 9, Appl1
47	51	56.0	20	2	US-09-308-935-4	Sequence 4, Appl1
48	51	56.0	73	1	US-08-428-131-12	Sequence 12, Appl1
49	51	56.0	73	2	US-09-078-596-12	Sequence 12, Appl1
50	51	56.0	74	2	US-08-894-139-5	Sequence 5, Appl1
51	51	56.0	74	2	US-08-894-139-7	Sequence 7, Appl1
52	51	56.0	75	2	US-08-894-139-9	Sequence 9, Appl1
53	51	56.0	85	2	US-09-932-581-5	Sequence 5, Appl1
54	51	56.0	183	2	US-09-949-016-7150	Sequence 7150, Ap
55	51	56.0	186	1	US-08-481-814A-9	Sequence 9, Appl1
56	51	56.0	333	2	US-09-949-016-10072	Sequence 10072, A
57	51	56.0	335	2	US-08-894-139-4	Sequence 4, Appl1
58	51	56.0	345	2	US-09-919-497-61	Sequence 61, Appl1
59	51	56.0	346	2	US-08-894-139-2	Sequence 2, Appl1
60	51	56.0	346	2	US-09-949-016-6150	Sequence 6150, Ap
61	51	56.0	437	1	US-08-136-119-4	Sequence 4, Appl1
62	51	56.0	437	1	US-07-882-711-2	Sequence 2, Appl1
63	51	56.0	437	1	US-08-723-4158-13	Sequence 13, Appl1
64	51	56.0	437	1	US-08-481-814A-6	Sequence 6, Appl1
65	51	56.0	437	1	US-08-462-174-2	Sequence 2, Appl1
66	51	56.0	437	2	US-08-801-092-1	Sequence 1, Appl1
67	51	56.0	437	2	US-09-189-627A-13	Sequence 13, Appl1
68	51	56.0	437	2	US-09-242-737-2	Sequence 2, Appl1
69	51	56.0	437	2	US-09-315-113-1	Sequence 1, Appl1
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71	51	56.0	437	2	US-09-315-116-1	Sequence 1, Appl1
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73	51	56.0	476	4	PCT-US93-11310-14	Sequence 14, Appl1
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75	50	54.9	69	2	US-08-894-139-8	Sequence 8, Appl1
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78	50	54.9	413	1	US-08-481-814A-8	Sequence 8, Appl1
79	50	54.9	413	2	US-08-836-582-2	Sequence 2, Appl1
80	50	54.9	413	2	US-09-265-566-2	Sequence 2, Appl1
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82	50	54.9	435	2	US-09-949-016-9671	Sequence 9671, Ap
83	49	53.8	74	2	US-08-894-139-6	Sequence 6, Appl1
84	49	53.8	437	1	US-08-136-119-2	Sequence 2, Appl1
85	49	53.8	437	1	US-08-481-814A-7	Sequence 7, Appl1
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87	45	49.5	29	2	US-09-269-576G-20	Sequence 20, Appl1
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89	44	48.4	17	1	US-08-428-131-14	Sequence 14, Appl1
90	44	48.4	17	2	US-09-078-596-14	Sequence 14, Appl1
91	42	46.2	9	2	US-09-308-935-2	Sequence 2, Appl1
92	42	46.2	304	2	US-09-107-433-3248	Sequence 3248, Ap
93	42	46.2	332	2	US-09-583-110-4444	Sequence 4444, Ap
94	40	44.0	25	2	US-08-604-9658-1	Sequence 1, Appl1
95	40	44.0	25	2	US-09-269-576G-25	Sequence 25, Appl1
96	40	44.0	40	2	US-08-604-9658-2	Sequence 2, Appl1
97	40	44.0	42	6	5258287-4	Patent No. 5258287
98	40	44.0	82	2	US-09-445-480D-30	Sequence 30, Appl1
99	40	44.0	85	2	US-08-604-9658-9	Sequence 9, Appl1
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102	40	44.0	254	1	US-08-854-811-45	Sequence 45, Appl1	175	36	39.6	501	2	US-09-248-796A-15119	Sequence 15119, A
103	40	44.0	254	2	US-09-080-120A-2	Sequence 2, Appl1	176	36	39.6	504	2	US-09-949-016-7935	Sequence 7935, Ap
104	40	44.0	254	2	US-09-080-120A-4	Sequence 4, Appl1	177	36	39.6	506	2	US-09-949-016-7650	Sequence 7650, Ap
105	40	44.0	254	2	US-09-322-484-1	Sequence 1, Appl1	178	36	39.6	544	2	US-09-198-452A-180	Sequence 180, App
106	40	44.0	254	2	US-09-089-062-1	Sequence 1, Appl1	179	36	39.6	556	2	US-09-438-185A-162	Sequence 162, App
107	40	44.0	254	2	US-10-215-759-18	Sequence 18, Appl1	180	36	39.6	621	2	US-09-026-001A-6	Sequence 6, Appl1
108	40	44.0	254	2	US-10-215-759-19	Sequence 19, Appl1	181	36	39.6	621	2	US-09-996-620-6	Sequence 6, Appl1
109	40	44.0	254	2	US-10-264-672-18	Sequence 18, Appl1	182	36	39.6	643	2	US-09-196-270-3	Sequence 23, Appl1
110	40	44.0	254	2	US-10-264-672-19	Sequence 19, Appl1	183	36	39.6	643	2	US-09-487-558B-236	Sequence 236, App
111	40	44.0	254	2	US-10-383-999-18	Sequence 18, Appl1	184	36	39.6	883	2	US-09-489-039A-13542	Sequence 13542, A
112	40	44.0	254	2	US-10-383-999-19	Sequence 19, Appl1	185	36	39.6	916	2	US-09-538-092-863	Sequence 863, App
113	40	44.0	254	4	PCT-US95-08925-2	Sequence 2, Appl1	186	36	39.6	916	2	US-09-949-016-6611	Sequence 6611, Ap
114	40	44.0	277	4	PCT-US95-08925-4	Sequence 4, Appl1	187	36	39.6	916	2	US-09-949-016-11417	Sequence 11417, A
115	40	44.0	277	4	US-10-104-047-3046	Sequence 3046, Ap	188	36	39.6	928	2	US-09-328-352-5103	Sequence 5103, Ap
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117	40	44.0	291	2	US-09-080-120A-7	Sequence 7, Appl1	190	36	39.6	1109	2	US-09-688-188B-88	Sequence 88, Appl1
118	40	44.0	291	2	US-09-702-705-333	Sequence 333, App	191	36	39.6	1109	2	US-09-291-417D-88	Sequence 88, Appl1
119	40	44.0	291	2	US-09-736-457-333	Sequence 333, App	192	36	39.6	1241	2	US-09-841-786-1	Sequence 1, Appl1
120	40	44.0	291	2	US-09-614-124B-333	Sequence 333, App	193	35.5	39.0	139	2	US-09-248-796A-17649	Sequence 17649, A
121	40	44.0	291	2	US-09-671-325-333	Sequence 333, App	194	35.5	39.0	613	2	US-09-026-001A-10	Sequence 10, Appl1
122	40	44.0	291	2	US-09-589-184-333	Sequence 333, App	195	35.5	39.0	613	2	US-09-996-620-10	Sequence 10, Appl1
123	40	44.0	291	2	US-09-658-824-333	Sequence 333, App	196	35.5	39.0	621	2	US-09-026-001A-18	Sequence 18, Appl1
124	40	44.0	291	2	US-10-017-754-333	Sequence 333, App	197	35.5	39.0	621	2	US-09-996-620-18	Sequence 18, Appl1
125	40	44.0	291	2	US-09-651-563-333	Sequence 333, App	198	35	38.5	67	2	US-09-134-001C-44216	Sequence 4216, App
126	40	44.0	291	2	US-09-519-642-333	Sequence 333, App	199	35	38.5	77	2	US-09-540-236-3115	Sequence 3158, Ap
127	40	44.0	291	4	PCT-US95-08925-7	Sequence 7, Appl1	200	35	38.5	77	2	US-09-540-236-3175	Sequence 3175, Ap
128	40	44.0	291	6	5212074-5	Sequence 7, Appl1	201	35	38.5	109	2	US-09-543-681A-5248	Sequence 5248, Ap
129	40	44.0	292	6	5258287-24	Patent No. 5258287	202	35	38.5	125	2	US-09-710-279-2246	Sequence 2246, Ap
130	40	44.0	335	2	US-09-949-016-8585	Sequence 8585, Ap	203	35	38.5	139	2	US-09-665-819A-10	Sequence 10, Appl1
131	40	44.0	345	2	US-09-419-679-6	Sequence 6, Appl1	204	35	38.5	146	2	US-09-902-540-10219	Sequence 10219, A
132	39.5	43.4	345	2	US-09-419-679-8	Sequence 8, Appl1	205	35	38.5	154	2	US-09-955-732A-9	Sequence 9, Appl1
133	39	42.9	379	2	US-09-543-681A-5419	Sequence 5419, Ap	206	35	38.5	169	2	US-09-544-716-17	Sequence 17, Appl1
134	38	41.8	379	2	US-09-902-540-15163	Sequence 15163, A	207	35	38.5	169	2	US-09-557-921-18	Sequence 18, Appl1
135	38	41.8	447	2	US-09-248-796A-22377	Sequence 22377, A	208	35	38.5	169	2	US-09-564-357-20	Sequence 20, Appl1
136	38	41.8	688	2	US-09-543-681A-4886	Sequence 4886, Ap	209	35	38.5	169	2	US-09-619-380-19	Sequence 19, Appl1
137	38	41.8	1256	2	US-09-248-796A-18057	Sequence 18057, A	210	35	38.5	169	2	US-09-544-517-19	Sequence 19, Appl1
138	38	41.8	3666	1	US-08-222-617A-12	Sequence 12, Appl1	211	35	38.5	169	2	US-09-527-376-14	Sequence 14, Appl1
139	38	41.8	3727	1	US-08-222-617A-27	Sequence 27, Appl1	212	35	38.5	219	2	US-09-775-925-29	Sequence 29, Appl1
140	38	41.8	3778	1	US-08-232-617A-2	Sequence 2, Appl1	213	35	38.5	219	2	US-09-248-796A-14423	Sequence 14423, A
141	37	40.7	60	6	5258287-1	Patent No. 5258287	214	35	38.5	228	2	US-09-270-767-49654	Sequence 49654, A
142	37	40.7	63	2	US-09-248-796A-25207	Sequence 25207, A	215	35	38.5	228	2	US-09-248-796A-18872	Sequence 18872, A
143	37	40.7	179	2	US-09-270-767-52718	Sequence 52718, A	216	35	38.5	224	2	US-09-710-279-876	Sequence 876, App
144	37	40.7	199	2	US-09-270-767-47935	Sequence 47935, A	217	35	38.5	252	2	US-09-540-236-3434	Sequence 3434, Ap
145	37	40.7	402	2	US-09-543-681A-6953	Sequence 6953, A	218	35	38.5	257	2	US-09-134-001C-6273	Sequence 6273, Ap
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147	37	40.7	920	2	US-09-763-620-35	Sequence 35, Appl1	220	35	38.5	259	2	US-09-248-796A-11339	Sequence 11339, A
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151	36	39.6	54	2	US-10-004-860-455	Sequence 455, App	224	35	38.5	302	2	US-09-702-705-806	Sequence 806, App
152	36	39.6	193	2	US-09-248-796A-21391	Sequence 21391, A	225	35	38.5	302	2	US-09-736-457-806	Sequence 806, App
153	36	39.6	226	2	US-09-504-358-4	Sequence 4, Appl1	226	35	38.5	302	2	US-09-614-124B-806	Sequence 806, App
154	36	39.6	226	2	US-09-954-314-4	Sequence 4, Appl1	227	35	38.5	302	2	US-09-589-184-806	Sequence 806, App
155	36	39.6	226	2	US-10-230-562-4	Sequence 4, Appl1	228	35	38.5	302	2	US-09-671-325-806	Sequence 806, App
156	36	39.6	255	2	US-09-489-039A-11759	Sequence 11759, A	229	35	38.5	317	2	US-09-902-540-11664	Sequence 11664, A
157	36	39.6	321	2	US-09-710-279-1526	Sequence 1526, Ap	230	35	38.5	317	2	US-09-702-767-42534	Sequence 42534, A
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161	36	39.6	342	2	US-09-134-001C-4071	Sequence 4071, Ap	234	35	38.5	334	2	US-09-702-705-805	Sequence 805, App
162	36	39.6	369	2	US-09-841-786-2	Sequence 2, Appl1	235	35	38.5	334	2	US-09-702-705-827	Sequence 827, App
163	36	39.6	372	2	US-09-489-039A-12516	Sequence 12516, A	236	35	38.5	334	2	US-09-736-457-805	Sequence 805, App
164	36	39.6	419	2	US-09-543-681A-5061	Sequence 5061, Ap	237	35	38.5	334	2	US-09-736-457-827	Sequence 827, App
165	36	39.6	419	2	US-08-640-906-2	Sequence 2, Appl1	238	35	38.5	334	2	US-09-614-124B-805	Sequence 805, App
166	36	39.6	419	2	US-08-640-906-17	Sequence 17, Appl1	239	35	38.5	334	2	US-09-614-124B-827	Sequence 827, App
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171	36	39.6	466	2	US-09-610-401-4	Sequence 4, Appl1	244	35	38.5				
172	36	39.6	466	2	US-09-167-206-12	Sequence 12, Appl1	245	35	38.5				
173	36	39.6	466	2	US-09-949-016-6351	Sequence 6351, Ap	246	35	38.5				

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248	35	38.5	394	2	US-09-589-184-805	Sequence 805, App	321	34	37.4	197	2	US-09-252-991A-20521	Sequence 20521, A
249	35	38.5	394	2	US-09-589-184-827	Sequence 827, App	322	34	37.4	206	2	US-09-183-861-126	Sequence 26, App1
250	35	38.5	394	2	US-09-658-824-805	Sequence 805, App	323	34	37.4	206	2	US-09-022-765-26	Sequence 26, App1
251	35	38.5	394	2	US-09-658-824-827	Sequence 827, App	324	34	37.4	206	2	US-09-551-974A-26	Sequence 26, App1
252	35	38.5	394	2	US-10-017-754-805	Sequence 805, App	325	34	37.4	206	2	US-09-565-501A-26	Sequence 26, App1
253	35	38.5	394	2	US-10-017-754-827	Sequence 827, App	326	34	37.4	206	2	US-09-639-206A-26	Sequence 26, App1
254	35	38.5	394	2	US-09-651-563-805	Sequence 805, App	327	34	37.4	206	2	US-09-974-923-26	Sequence 26, App1
255	35	38.5	394	2	US-09-651-563-827	Sequence 827, App	328	34	37.4	206	2	US-08-798-841-26	Sequence 26, App1
256	35	38.5	395	1	US-08-990-379-5	Sequence 5, App1	329	34	37.4	215	2	US-09-370-767-37561	Sequence 37561, A
257	35	38.5	401	2	US-10-017-754-1917	Sequence 1917, App	330	34	37.4	215	2	US-09-270-767-52778	Sequence 52778, A
258	35	38.5	413	2	US-09-949-016-8081	Sequence 8081, App	331	34	37.4	216	2	US-09-107-532A-4916	Sequence 4916, App
259	35	38.5	431	2	US-09-538-092-102	Sequence 102, App	332	34	37.4	218	1	US-08-470-837-26	Sequence 26, App1
260	35	38.5	458	2	US-09-602-777A-340	Sequence 340, App	333	34	37.4	228	2	US-08-868-452-26	Sequence 26, App1
261	35	38.5	469	2	US-09-538-092-948	Sequence 948, App	334	34	37.4	220	2	US-09-480-675A-4	Sequence 4, App1
262	35	38.5	475	2	US-09-248-796A-17094	Sequence 17094, A	335	34	37.4	226	2	US-09-538-092-635	Sequence 635, App
263	35	38.5	476	2	US-09-949-016-11133	Sequence 11133, A	336	34	37.4	229	2	US-09-327-984A-8	Sequence 8, App1
264	35	38.5	502	1	US-08-278-635B-7	Sequence 7, App1	337	34	37.4	221	2	US-08-129-722A-2	Sequence 2, App1
265	35	38.5	502	1	US-08-466-589-8	Sequence 8, App1	338	34	37.4	232	2	US-08-327-874A-6	Sequence 6, App1
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267	35	38.5	502	2	US-08-464-258B-7	Sequence 7, App1	340	34	37.4	232	4	PCT-US94-09700-6	Sequence 6, App1
268	35	38.5	502	2	US-08-467-574-8	Sequence 8, App1	341	34	37.4	238	2	US-09-079-723-212	Sequence 212, App
269	35	38.5	502	2	US-08-471-961-7	Sequence 7, App1	342	34	37.4	239	2	US-09-543-681A-6297	Sequence 6297, App
270	35	38.5	502	2	US-09-217-345-8	Sequence 8, App1	343	34	37.4	239	2	US-09-823-153-7	Sequence 7, App1
271	35	38.5	502	2	US-08-771-737-2	Sequence 7, App1	344	34	37.4	244	2	US-09-328-352-5628	Sequence 5628, App
272	35	38.5	502	2	US-08-487-596-12	Sequence 12, App1	345	34	37.4	245	2	US-09-613-303-23	Sequence 23, App1
273	35	38.5	502	2	US-09-345-109C-7	Sequence 7, App1	346	34	37.4	245	2	US-10-267-311-23	Sequence 23, App1
274	35	38.5	502	2	US-09-892-985-8	Sequence 8, App1	347	34	37.4	247	2	US-09-079-723-221	Sequence 221, App
275	35	38.5	502	2	US-09-954-936-2	Sequence 2, App1	348	34	37.4	247	2	US-09-079-723-232	Sequence 232, App
276	35	38.5	502	2	US-09-579-250-2	Sequence 2, App1	349	34	37.4	247	2	US-09-079-723-238	Sequence 238, App
277	35	38.5	502	2	US-09-579-250-12	Sequence 12, App1	350	34	37.4	248	2	US-09-079-723-218	Sequence 218, App
278	35	38.5	502	2	US-09-703-951A-12	Sequence 12, App1	351	34	37.4	248	2	US-09-079-723-219	Sequence 219, App
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280	35	38.5	506	2	US-09-438-185A-251	Sequence 251, App	353	34	37.4	248	2	US-09-079-723-230	Sequence 230, App
281	35	38.5	511	1	US-08-278-635B-8	Sequence 8, App1	354	34	37.4	248	2	US-09-079-723-231	Sequence 231, App
282	35	38.5	511	2	US-08-464-258B-8	Sequence 8, App1	355	34	37.4	248	2	US-09-079-723-239	Sequence 239, App
283	35	38.5	511	2	US-08-471-961-8	Sequence 8, App1	356	34	37.4	248	2	US-09-079-723-240	Sequence 240, App
284	35	38.5	511	2	US-09-345-109C-8	Sequence 8, App1	357	34	37.4	249	2	US-09-079-723-233	Sequence 233, App
285	35	38.5	511	2	US-09-949-016-6111	Sequence 6111, App	358	34	37.4	252	2	US-08-931-855B-18	Sequence 18, App1
286	35	38.5	515	2	US-09-869-433-2	Sequence 2, App1	359	34	37.4	257	2	US-09-079-723-223	Sequence 223, App
287	35	38.5	524	2	US-09-158-452A-369	Sequence 369, App	360	34	37.4	257	2	US-09-079-723-227	Sequence 227, App
288	35	38.5	524	2	US-09-438-185A-353	Sequence 353, App	361	34	37.4	257	2	US-09-079-723-229	Sequence 229, App
289	35	38.5	525	2	US-09-949-016-10795	Sequence 10795, A	362	34	37.4	257	2	US-09-079-723-237	Sequence 237, App
290	35	38.5	572	2	US-09-134-000C-4595	Sequence 4595, App	363	34	37.4	257	2	US-09-079-723-242	Sequence 242, App
291	35	38.5	597	6	5171850-2	Patient No. 5171850	364	34	37.4	257	2	US-09-079-723-244	Sequence 244, App
292	35	38.5	662	2	US-09-252-991A-22861	Sequence 22861, A	365	34	37.4	258	2	US-09-079-723-222	Sequence 222, App
293	35	38.5	784	2	US-09-583-110-5192	Sequence 5192, App	366	34	37.4	258	2	US-09-079-723-235	Sequence 235, App
294	35	38.5	784	2	US-09-769-787-36	Sequence 36, App1	367	34	37.4	259	2	US-09-079-723-228	Sequence 228, App
295	35	38.5	787	2	US-09-107-433-4612	Sequence 4612, App	368	34	37.4	259	2	US-09-079-723-236	Sequence 236, App
296	35	38.5	800	2	US-09-107-532A-4095	Sequence 4095, App	369	34	37.4	259	2	US-09-079-723-243	Sequence 243, App
297	35	38.5	800	2	US-09-134-000C-5598	Sequence 5598, App	370	34	37.4	259	2	US-09-079-723-248	Sequence 248, App
298	35	38.5	809	2	US-09-489-039A-11429	Sequence 11429, A	371	34	37.4	262	2	US-09-079-723-246	Sequence 246, App
299	35	38.5	813	2	US-09-543-681A-7662	Sequence 7662, App	372	34	37.4	264	2	US-09-079-723-247	Sequence 247, App
300	35	37.9	302	2	US-09-248-796A-18125	Sequence 18125, A	373	34	37.4	267	2	US-09-079-723-224	Sequence 224, App
301	35	37.9	452	2	US-09-252-991A-31360	Sequence 31360, A	374	34	37.4	272	2	US-08-910-820-4	Sequence 4, App1
302	35	37.9	483	2	US-09-263-023-2	Sequence 2, App1	375	34	37.4	272	2	US-08-910-820-6	Sequence 6, App1
303	35	37.9	484	2	US-09-263-023-4	Sequence 4, App1	376	34	37.4	272	2	US-09-844-908-4	Sequence 4, App1
304	35	37.9	484	2	US-09-471-867-4	Sequence 4, App1	377	34	37.4	272	2	US-09-844-908-6	Sequence 6, App1
305	35	37.9	531	2	US-09-949-016-6471	Sequence 6471, App	378	34	37.4	273	2	US-09-252-991A-21634	Sequence 21634, A
306	35	37.9	608	2	US-09-949-016-9449	Sequence 9449, App	379	34	37.4	275	1	US-07-857-224A-35	Sequence 35, App1
307	35	37.9	608	2	US-09-949-016-9449	Sequence 9449, App	380	34	37.4	276	1	US-07-857-224A-35	Sequence 35, App1
308	35	37.4	51	2	US-09-471-376-1231	Sequence 1231, App	381	34	37.4	277	2	US-09-079-723-217	Sequence 217, App
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315	35	37.4	124	2	US-08-904-871-10	Sequence 10, App1	388	34	37.4	282	2	US-08-910-820-5	Sequence 5, App1
316	35	37.4	125	2	US-09-797-908-5	Sequence 5, App1	389	34	37.4	282	2	US-09-844-908-3	Sequence 3, App1
317	35	37.4	154	2	US-09-538-092-629	Sequence 629, App	390	34	37.4	282	2	US-09-844-908-5	Sequence 5, App1
318	35	37.4	163	2	US-09-270-767-44252	Sequence 44252, A	391	34	37.4	282	2	US-09-079-723-213	Sequence 213, App
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405	34	37.4	321	2	US-09-902-540-12567	Sequence 12567, A	478	34	37.4	579	2	US-09-122-384-11	Sequence 11, App1
406	34	37.4	334	2	US-09-613-303-25	Sequence 25, App1	479	34	37.4	600	2	US-09-327-984A-6	Sequence 6, App1
407	34	37.4	334	2	US-10-267-311-25	Sequence 25, App1	480	34	37.4	616	2	US-08-895-707-2	Sequence 2, App1
408	34	37.4	338	2	US-09-797-908-2	Sequence 2, App1	481	34	37.4	632	2	US-08-506-296B-74	Sequence 74, App1
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411	34	37.4	341	2	US-09-501-612A-2	Sequence 2, App1	484	34	37.4	643	2	US-09-115-746-8	Sequence 8, App1
412	34	37.4	341	2	US-10-336-491-2	Sequence 2, App1	485	34	37.4	643	2	US-08-506-296B-65	Sequence 65, App1
413	34	37.4	342	2	US-09-543-681A-5131	Sequence 5131, Ap	486	34	37.4	647	1	US-08-305-764C-55	Sequence 56, App1
414	34	37.4	342	2	US-09-489-039A-14092	Sequence 14092, A	487	34	37.4	665	2	US-08-506-296B-68	Sequence 68, App1
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419	34	37.4	354	2	US-09-823-153-8	Sequence 8, App1	492	34	37.4	692	2	US-09-771-045B-19	Sequence 19, App1
420	34	37.4	356	2	US-09-902-540-11895	Sequence 11895, A	493	34	37.4	692	2	US-09-770-564A-19	Sequence 19, App1
421	34	37.4	358	2	US-09-645-629-23	Sequence 23, App1	494	34	37.4	692	2	US-10-318-308-1	Sequence 1, App1
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428	34	37.4	387	2	US-10-008-860-11	Sequence 11, App1	501	34	37.4	829	2	US-09-352-168-31	Sequence 31, App1
429	34	37.4	397	4	PCT-US94-09700-11	Sequence 11, App1	502	34	37.4	829	2	US-09-352-168-33	Sequence 33, App1
430	34	37.4	410	2	US-09-198-452A-908	Sequence 908, App	503	34	37.4	829	2	US-09-770-564A-31	Sequence 31, App1
431	34	37.4	412	2	US-09-366-009-34	Sequence 34, App1	504	34	37.4	881	2	US-09-489-039A-13851	Sequence 13851, A
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436	34	37.4	435	4	US-09-438-185A-847	Sequence 847, App	509	34	37.4	1140	2	US-08-471-112A-4	Sequence 4, App1
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438	34	37.4	439	2	US-08-506-296B-67	Sequence 67, App1	511	34	37.4	1162	2	US-09-252-991A-32764	Sequence 32764, A
439	34	37.4	442	2	US-08-506-296B-70	Sequence 70, App1	512	34	37.4	1196	2	US-09-352-159-31	Sequence 31, App1
440	34	37.4	443	2	US-08-506-296B-76	Sequence 76, App1	513	34	37.4	1196	2	US-09-352-168-31	Sequence 31, App1
441	34	37.4	447	2	US-08-506-296B-73	Sequence 73, App1	514	34	37.4	1196	2	US-09-771-045B-31	Sequence 31, App1
442	34	37.4	455	2	US-09-248-796A-17535	Sequence 17535, A	515	34	37.4	1196	2	US-09-770-564A-31	Sequence 31, App1
443	34	37.4	470	2	US-10-118-079-20	Sequence 20, App1	516	34	37.4	1196	2	US-09-658-835C-31	Sequence 31, App1
444	34	37.4	472	1	US-08-216-89A-10	Sequence 10, App1	517	34	37.4	1205	2	US-09-352-159-29	Sequence 29, App1
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447	34	37.4	502	2	US-09-579-250-14	Sequence 14, App1	520	34	37.4	1205	2	US-09-770-564A-29	Sequence 29, App1
448	34	37.4	507	2	US-09-252-991A-17004	Sequence 17004, A	521	34	37.4	1205	2	US-09-658-835C-29	Sequence 29, App1
449	34	37.4	507	2	US-09-538-092-95	Sequence 95, App1	522	34	37.4	1208	2	US-09-489-039A-8724	Sequence 8724, Ap
450	34	37.4	514	2	US-08-974-549A-605	Sequence 605, App	523	34	37.4	1262	2	US-09-248-796A-19043	Sequence 19043, A
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453	34	37.4	514	2	US-09-721-456-605	Sequence 605, App	526	34	37.4	1262	2	US-10-651-183-20	Sequence 20, App1
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460	34	37.4	517	2	US-09-402-181B-606	Sequence 606, App	533	34	37.4	1477	2	US-08-719-641-4	Sequence 4, App1
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548	33	36.3	149	2	US-09-134-001C-4875	Sequence 4875, Ap	621	33	36.3	558	2	US-09-489-039A-15041	Sequence 10900, A
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554	33	36.3	204	2	US-09-248-796A-18630	Sequence 18630, A	627	33	36.3	705	2	US-09-547-789-5	Sequence 5, Appli
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566	33	36.3	277	2	US-09-134-001C-5452	Sequence 5452, Ap	639	33	36.3	948	2	US-09-613-303-21	Sequence 21, Appl
567	33	36.3	277	2	US-09-134-000C-6741	Sequence 6741, Ap	640	33	36.3	948	2	US-10-267-511-21	Sequence 21, Appl
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577	33	36.3	340	4	PCT-US95-16126-1	Sequence 1, Appli	650	33	36.3	2532	2	US-10-109-310-10	Sequence 10, Appl
578	33	36.3	341	2	US-09-450-281-9	Sequence 9, Appli	651	33	36.3	2887	2	US-08-462-467B-2	Sequence 2, Appli
579	33	36.3	350	2	US-09-270-767-43557	Sequence 43557, A	652	33	36.3	2887	2	US-08-462-467B-8	Sequence 8, Appli
580	33	36.3	351	2	US-09-198-452A-733	Sequence 733, App	653	33	35.7	101	2	US-09-107-532A-4455	Sequence 4455, Ap
581	33	36.3	351	2	US-09-438-185A-695	Sequence 695, App	654	33	35.7	137	2	US-09-152-060-97	Sequence 97, Appl
582	33	36.3	356	2	US-09-252-991A-26117	Sequence 26117, A	655	33	35.7	137	2	US-09-852-797-97	Sequence 97, Appl
583	33	36.3	362	2	US-09-646-925-6	Sequence 6, Appli	656	33	35.7	137	2	US-09-853-161-97	Sequence 97, Appl
584	33	36.3	366	2	US-08-545-573A-1	Sequence 1, Appli	657	33	35.7	137	2	US-09-853-161-97	Sequence 97, Appl
585	33	36.3	375	1	US-09-359-268A-27	Sequence 5, Appli	658	33	35.7	162	2	US-09-152-060-63	Sequence 63, Appl
586	33	36.3	375	1	US-08-121-714-5	Sequence 5, Appli	659	33	35.7	162	2	US-09-852-797-63	Sequence 63, Appl
587	33	36.3	375	1	US-08-477-108A-5	Sequence 5, Appli	660	33	35.7	162	2	US-09-853-161-63	Sequence 63, Appl
588	33	36.3	375	1	US-08-477-112-5	Sequence 5, Appli	661	33	35.7	162	2	US-10-058-993-63	Sequence 63, Appl
589	33	36.3	375	4	PCT-US93-08322-5	Sequence 5, Appli	662	33	35.7	162	2	US-09-248-796A-18433	Sequence 18433, A
590	33	36.3	386	2	US-08-545-573A-2	Sequence 2, Appli	663	33	35.7	183	2	US-09-270-767-37103	Sequence 37103, A
591	33	36.3	386	2	US-08-545-573A-39	Sequence 39, Appl	664	33	35.7	233	2	US-09-270-767-52320	Sequence 52320, A
592	33	36.3	387	1	US-08-759-581B-4	Sequence 4, Appli	665	33	35.7	233	2	US-09-248-335-60	Sequence 60, Appl
593	33	36.3	387	2	US-09-304-711-4	Sequence 4, Appli	666	33	35.7	256	2	US-09-270-767-58979	Sequence 58979, A
594	33	36.3	387	2	US-09-173-281-4	Sequence 2, Appli	667	33	35.7	256	2	US-09-198-452A-187	Sequence 187, App
595	33	36.3	395	2	US-09-603-208A-28	Sequence 28, Appli	668	33	35.7	276	2	US-09-438-185A-171	Sequence 171, App
596	33	36.3	405	2	US-09-248-796A-16018	Sequence 16018, A	669	33	35.7	386	2	US-09-270-767-43602	Sequence 43602, A
597	33	36.3	409	2	US-09-613-303-55	Sequence 55, Appl	670	33	35.7	450	2	US-09-248-796A-20095	Sequence 20095, A
598	33	36.3	429	2	US-10-267-311-55	Sequence 55, Appl	671	33	35.7	701	2	US-09-419-679-2	Sequence 814, Ap
599	33	36.3	442	2	US-09-540-236-3728	Sequence 3728, Ap	672	33	35.7	892	2	US-09-543-681A-8314	Sequence 8314, Ap
600	33	36.3	459	2	US-09-248-796A-14438	Sequence 14438, A	673	33	35.7	1207	2	US-09-489-039A-11518	Sequence 11518, A
601	33	36.3	461	1	US-08-527-227A-7	Sequence 7, Appli	674	33	35.2	15	2	US-09-269-576C-2	Sequence 2, Appli
602	33	36.3	461	1	US-09-519-039-180	Sequence 180, Appl	675	33	35.2	25	1	US-08-378-761A-30	Sequence 30, Appl
603	33	36.3	464	1	US-08-759-581B-22	Sequence 22, Appl	676	33	35.2	25	1	US-08-485-286-30	Sequence 30, Appl
604	33	36.3	464	2	US-09-304-711-22	Sequence 22, Appl	677	33	35.2	25	6	5248606-16	Patent No. 5248606
605	33	36.3	466	2	US-09-173-281-32	Sequence 22, Appl	678	33	35.2	47	2	US-09-902-540-13179	Sequence 13179, A
606	33	36.3	466	2	US-09-949-016-7543	Sequence 7543, Ap	679	33	35.2	58	2	US-10-044-359-2	Sequence 2, Appli
607	33	36.3	469	2	US-09-543-681A-7533	Sequence 7533, Ap	680	33	35.2	59	2	US-09-485-147A-76	Sequence 76, Appl
608	33	36.3	476	2	US-09-248-796A-16327	Sequence 16327, A	681	33	35.2	60	2	US-09-902-540-11697	Sequence 11697, A
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610	33	36.3	497	1	US-08-727-126-2	Sequence 2, Appli	683	33	35.2	61	2	US-09-485-147A-80	Sequence 80, Appl
611	33	36.3	497	2	US-08-942-761-2	Sequence 2, Appli	684	33	35.2	62	2	US-09-485-147A-78	Sequence 78, Appl



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686	32	35.2	97	2	US-09-205-558-812	Sequence 812, App	759	32	35.2	366	2	US-09-339-972-28	Sequence 28, Appl1
687	32	35.2	97	2	US-10-004-860-812	Sequence 812, App	760	32	35.2	367	2	US-09-107-433-3289	Sequence 3289, Ap
688	32	35.2	104	1	US-08-292-968-23	Sequence 23, Appl1	761	32	35.2	369	2	US-09-134-000C-5705	Sequence 5705, Ap
689	32	35.2	104	1	US-08-467-974-23	Sequence 23, Appl1	762	32	35.2	373	2	US-09-359-161-3	Sequence 3, Appl1
690	32	35.2	104	1	US-08-467-536-23	Sequence 23, Appl1	763	32	35.2	374	2	US-09-795-927-4	Sequence 4, Appl1
691	32	35.2	104	2	US-08-467-976-23	Sequence 23, Appl1	764	32	35.2	376	2	US-09-328-352-8084	Sequence 8084, Ap
692	32	35.2	104	2	US-09-082-514-23	Sequence 23, Appl1	765	32	35.2	386	2	US-09-543-681A-7572	Sequence 7572, Ap
693	32	35.2	115	2	US-09-107-532A-6191	Sequence 6191, App	766	32	35.2	387	2	US-09-252-991A-22990	Sequence 22990, A
694	32	35.2	130	2	US-09-205-258-817	Sequence 817, App	767	32	35.2	387	2	US-09-543-681A-7468	Sequence 7468, Ap
695	32	35.2	120	2	US-10-004-860-817	Sequence 817, App	768	32	35.2	390	2	US-09-949-016-8340	Sequence 8340, Ap
696	32	35.2	122	2	US-09-248-796A-23665	Sequence 23665, A	769	32	35.2	398	1	US-08-507-431-2	Sequence 2, Appl1
697	32	35.2	122	2	US-09-489-039A-8436	Sequence 8436, Ap	770	32	35.2	398	1	US-08-902-655A-2	Sequence 2, Appl1
698	32	35.2	131	2	US-09-270-767-61319	Sequence 61319, A	771	32	35.2	398	2	US-09-116-627-2	Sequence 2, Appl1
699	32	35.2	132	2	US-09-605-703B-1804	Sequence 1804, Ap	772	32	35.2	398	2	US-09-219-277-2	Sequence 2, Appl1
700	32	35.2	145	2	US-09-270-767-36625	Sequence 36625, A	773	32	35.2	409	2	US-09-599-661-1	Sequence 2, Appl1
701	32	35.2	145	2	US-09-270-767-51842	Sequence 51842, A	774	32	35.2	409	2	US-09-248-796A-17922	Sequence 17922, A
702	32	35.2	149	2	US-09-134-001C-3421	Sequence 3421, Ap	775	32	35.2	411	2	US-09-205-258-815	Sequence 815, App
703	32	35.2	151	2	US-09-134-000C-5639	Sequence 5639, Ap	776	32	35.2	411	2	US-10-004-860-815	Sequence 815, App
704	32	35.2	151	2	US-09-485-147A-82	Sequence 82, Appl1	777	32	35.2	412	2	US-09-743-742B-8	Sequence 8, Appl1
705	32	35.2	152	2	US-09-485-147A-84	Sequence 84, Appl1	778	32	35.2	413	2	US-09-489-039A-7562	Sequence 7562, Ap
706	32	35.2	152	2	US-09-485-147A-86	Sequence 86, Appl1	779	32	35.2	416	2	US-09-949-016-8237	Sequence 124, App
707	32	35.2	156	2	US-09-489-039A-9799	Sequence 9799, Ap	780	32	35.2	423	2	US-09-538-092-176	Sequence 176, App
708	32	35.2	165	2	US-09-107-532A-4582	Sequence 4582, Ap	781	32	35.2	432	2	US-09-198-452A-124	Sequence 124, App
709	32	35.2	165	2	US-09-107-532A-4583	Sequence 4583, Ap	782	32	35.2	434	2	US-09-438-185A-108	Sequence 108, Appl1
710	32	35.2	166	2	US-09-270-767-45796	Sequence 45796, A	783	32	35.2	439	2	US-09-026-001A-8	Sequence 8, Appl1
711	32	35.2	172	2	US-09-328-352-8130	Sequence 8130, Ap	784	32	35.2	439	2	US-09-160-036-1	Sequence 1, Appl1
712	32	35.2	174	2	US-09-252-991A-22851	Sequence 22851, A	785	32	35.2	439	2	US-10-150-068-1	Sequence 1, Appl1
713	32	35.2	176	2	US-09-902-540-16036	Sequence 16036, A	786	32	35.2	439	2	US-09-996-620-8	Sequence 8, Appl1
714	32	35.2	183	2	US-09-902-540-15683	Sequence 15683, A	787	32	35.2	443	2	US-09-328-352-7069	Sequence 7069, Ap
715	32	35.2	199	1	US-08-849-376-4	Sequence 4, Appl1	788	32	35.2	447	2	US-09-610-104C-2	Sequence 2, Appl1
716	32	35.2	199	1	US-08-849-376-4	Sequence 4, Appl1	789	32	35.2	447	2	US-09-610-104C-2	Sequence 2, Appl1
717	32	35.2	227	6	5244657-9	Patent No. 5244657	790	32	35.2	451	1	US-08-625-322-4	Sequence 4, Appl1
718	32	35.2	227	6	5433945-9	Patent No. 5433945	791	32	35.2	452	2	US-09-543-681A-8120	Sequence 8120, Ap
719	32	35.2	228	6	5223610-9	Patent No. 5223610	792	32	35.2	453	2	US-09-662-254B-1	Sequence 14, Appl1
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721	32	35.2	244	1	US-07-869-933-32	Sequence 32, Appl1	794	32	35.2	462	2	US-09-026-001A-16	Sequence 16, Appl1
722	32	35.2	244	1	US-08-201-879A-3	Sequence 3, Appl1	795	32	35.2	462	2	US-09-607-248B-3	Sequence 3, Appl1
723	32	35.2	244	2	US-09-103-673A-32	Sequence 32, Appl1	796	32	35.2	462	2	US-09-996-620-16	Sequence 16, Appl1
724	32	35.2	244	2	US-09-543-681A-7587	Sequence 7587, Ap	797	32	35.2	464	2	US-09-160-036-12	Sequence 12, Appl1
725	32	35.2	244	2	US-09-949-016-5892	Sequence 5892, Ap	798	32	35.2	464	2	US-10-150-068-12	Sequence 12, Appl1
726	32	35.2	252	2	US-09-710-279-2316	Sequence 2316, Ap	799	32	35.2	471	2	US-09-949-016-10880	Sequence 10880, A
727	32	35.2	253	2	US-09-469-039A-7340	Sequence 7340, Ap	800	32	35.2	479	2	US-09-198-452A-763	Sequence 763, App
728	32	35.2	256	2	US-09-949-016-8329	Sequence 8329, Ap	801	32	35.2	481	2	US-09-438-185A-718	Sequence 718, App
729	32	35.2	258	2	US-09-328-352-4425	Sequence 4425, Ap	802	32	35.2	482	2	US-09-270-767-42183	Sequence 42183, A
730	32	35.2	263	2	US-09-792-024-79	Sequence 79, Appl1	803	32	35.2	482	2	US-09-949-016-10181	Sequence 10181, A
731	32	35.2	266	2	US-09-134-001C-4344	Sequence 4344, Ap	804	32	35.2	483	2	US-09-252-991A-27152	Sequence 27152, A
732	32	35.2	268	2	US-09-134-000C-4101	Sequence 4101, Ap	805	32	35.2	486	1	US-08-821-355A-8	Sequence 8, Appl1
733	32	35.2	269	2	US-09-270-767-42411	Sequence 42411, A	806	32	35.2	486	1	US-08-821-355A-8	Sequence 8, Appl1
734	32	35.2	271	2	US-09-538-092-1089	Sequence 1089, Ap	807	32	35.2	486	2	US-09-003-687A-8	Sequence 8, Appl1
735	32	35.2	271	2	US-09-252-991A-33043	Sequence 33043, A	808	32	35.2	498	2	US-09-136-605-8	Sequence 136, Appl1
736	32	35.2	274	2	US-09-784-508-2	Sequence 2, Appl1	809	32	35.2	501	1	US-08-499-215-4	Sequence 4, Appl1
737	32	35.2	280	2	US-09-270-767-33853	Sequence 33853, A	810	32	35.2	509	2	US-08-809-999D-17	Sequence 17, Appl1
738	32	35.2	280	2	US-09-270-767-49070	Sequence 49070, A	811	32	35.2	509	2	US-09-069-637-17	Sequence 17, Appl1
739	32	35.2	281	2	US-09-248-796A-17417	Sequence 17417, A	812	32	35.2	509	2	US-09-322-360-17	Sequence 17, Appl1
740	32	35.2	283	2	US-09-248-796A-19345	Sequence 19345, A	813	32	35.2	509	2	US-09-131-831B-17	Sequence 17, Appl1
741	32	35.2	291	2	US-09-583-110-4721	Sequence 4721, A	814	32	35.2	510	2	US-09-489-039A-12574	Sequence 12574, A
742	32	35.2	291	2	US-09-949-016-11416	Sequence 11416, A	815	32	35.2	511	1	US-08-821-355A-9	Sequence 9, Appl1
743	32	35.2	292	2	US-09-902-540-10876	Sequence 10876, A	816	32	35.2	511	1	US-09-003-687A-9	Sequence 9, Appl1
744	32	35.2	295	2	US-09-248-796A-16714	Sequence 16714, A	817	32	35.2	511	1	US-09-136-605-9	Sequence 9, Appl1
745	32	35.2	299	2	US-09-107-433-4019	Sequence 4019, Ap	818	32	35.2	515	2	US-09-543-681A-4218	Sequence 4218, Ap
746	32	35.2	302	2	US-10-104-047-3163	Sequence 3163, Ap	819	32	35.2	519	2	US-09-763-902B-3	Sequence 3, Appl1
747	32	35.2	310	2	US-09-632-947B-8	Sequence 8, Appl1	820	32	35.2	521	2	US-09-026-001A-12	Sequence 12, Appl1
748	32	35.2	317	2	US-09-489-039A-8044	Sequence 8044, Ap	821	32	35.2	521	2	US-09-996-620-12	Sequence 12, Appl1
749	32	35.2	317	2	US-09-583-110-3268	Sequence 3269, Ap	822	32	35.2	522	2	US-09-996-620-11	Sequence 11, Appl1
750	32	35.2	342	2	US-09-248-796A-24983	Sequence 24983, A	823	32	35.2	523	2	US-09-604-957-5	Sequence 5, Appl1
751	32	35.2	349	2	US-09-688-188B-16	Sequence 16, Appl1	824	32	35.2	528	2	US-09-949-016-11233	Sequence 11233, A
752	32	35.2	349	2	US-09-291-417D-16	Sequence 16, Appl1	825	32	35.2	530	2	US-09-270-767-46567	Sequence 46567, A
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754	32	35.2	356	2	US-09-949-016-11436	Sequence 11436, A	827	32	35.2	554	2	US-09-589-477-104	Sequence 104, App
755	32	35.2	364	2	US-08-860-820-2	Sequence 2, Appl1	828	32	35.2	554	2	US-10-099-285A-104	Sequence 104, App
756	32	35.2	364	2	US-09-252-991A-31451	Sequence 31451, A	829	32	35.2	557	2	US-09-583-110-4748	Sequence 4748, Ap
757	32	35.2	364	2	US-09-949-016-10759	Sequence 10759, A	830	32	35.2	573	2	US-09-107-433-3736	Sequence 3736, Ap



831	32	35.2	577	2	US-09-315-794-32	Sequence 32, Appl	904	31.5	34.6	374	2	US-09-692-570-18	Sequence 18, Appl
832	32	35.2	577	2	US-09-389-341-32	Sequence 32, Appl	905	31.5	34.6	366	2	US-09-248-796A-18977	Sequence 18977, A
833	32	35.2	577	2	US-09-538-092-369	Sequence 369, App	906	31.5	34.6	427	1	US-08-896-345-2	Sequence 2, Appl1
834	32	35.2	579	2	US-09-252-991A-28652	Sequence 28652, A	907	31.5	34.6	427	2	US-09-226-091-2	Sequence 2, Appl
835	32	35.2	592	2	US-09-026-001A-514	Sequence 14, Appl	908	31.5	34.6	651	2	US-09-902-540-16476	Sequence 16476, A
836	32	35.2	592	2	US-09-996-620-14	Sequence 14, Appl	909	31.5	34.6	883	1	US-08-586-366-2	Sequence 2, Appl1
837	32	35.2	608	2	US-09-489-039A-13503	Sequence 13503, A	910	31.5	34.6	883	1	US-08-967-104-2	Sequence 2, Appl1
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839	32	35.2	631	2	US-09-345-468-12	Sequence 12, Appl	912	31.5	34.6	941	2	US-09-513-783A-172	Sequence 172, App
840	32	35.2	631	2	US-09-414-453A-12	Sequence 12, Appl	913	31.5	34.6	941	2	US-10-100-957A-172	Sequence 172, App
841	32	35.2	631	2	US-09-310-463-20	Sequence 20, Appl	914	31.5	34.6	1328	2	US-08-781-891-76	Sequence 76, Appl
842	32	35.2	631	2	US-08-842-248A-20	Sequence 20, Appl	915	31.5	34.6	1328	2	US-09-618-166-76	Sequence 76, Appl
843	32	35.2	636	2	US-09-446-681-5	Sequence 5, Appl1	916	31.5	34.6	1684	2	US-08-665-259-25	Sequence 25, Appl
844	32	35.2	637	2	US-09-469-211A-4	Sequence 4, Appl1	917	31.5	34.6	1684	2	US-08-762-500-25	Sequence 25, Appl
845	32	35.2	646	2	US-09-949-016-7344	Sequence 7344, Ap	918	31.5	34.6	1704	2	US-08-762-500-75	Sequence 75, Appl
846	32	35.2	648	1	US-08-451-715A-4	Sequence 4, Appl1	919	31.5	34.6	1704	2	US-09-032-438C-120	Sequence 120, App
847	32	35.2	662	2	US-09-949-016-9186	Sequence 9186, Ap	920	31.5	34.6	1711	2	US-08-369-822C-10	Sequence 10, Appl
848	32	35.2	671	2	US-09-328-352-7868	Sequence 7868, Ap	921	31.5	34.6	1711	2	US-08-582-776C-10	Sequence 10, Appl
849	32	35.2	681	2	US-09-270-767-39664	Sequence 39664, A	922	31.5	34.6	1711	2	US-08-434-818B-172	Sequence 10, Appl
850	32	35.2	681	2	US-09-270-767-54881	Sequence 54881, A	923	31.5	34.6	1766	2	US-09-949-016-10796	Sequence 10796, A
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852	32	35.2	730	2	US-09-949-016-11573	Sequence 11573, A	925	31	34.1	19	2	US-09-962-756-1214	Sequence 1214, Ap
853	32	35.2	843	2	US-09-235-451-25	Sequence 25, Appl	926	31	34.1	21	2	US-09-962-756-1645	Sequence 1645, Ap
854	32	35.2	843	2	US-09-978-303-25	Sequence 25, Appl	927	31	34.1	22	2	US-08-604-965B-7	Sequence 7, Appl1
855	32	35.2	866	2	US-09-134-001C-4930	Sequence 4930, Ap	928	31	34.1	37	2	US-09-178-093B-45	Sequence 45, Appl
856	32	35.2	886	2	US-09-886-319A-6	Sequence 6, Appl1	929	31	34.1	43	2	US-09-217-293-8	Sequence 8, Appl1
857	32	35.2	895	2	US-09-270-767-42010	Sequence 42010, A	930	31	34.1	46	2	US-08-740-644-7	Sequence 7, Appl1
858	32	35.2	904	2	US-09-543-681A-4485	Sequence 4485, Ap	931	31	34.1	49	2	US-09-205-258-525	Sequence 525, App
859	32	35.2	912	2	US-09-688-188B-26	Sequence 26, Appl	932	31	34.1	49	2	US-10-004-860-525	Sequence 525, App
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861	32	35.2	916	2	US-09-543-681A-5205	Sequence 5205, Ap	934	31	34.1	56	2	US-09-732-210-993	Sequence 903, App
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863	32	35.2	918	2	US-09-198-452A-1072	Sequence 1072, Ap	936	31	34.1	61	2	US-09-489-039A-7431	Sequence 7431, Ap
864	32	35.2	918	2	US-09-438-185A-999	Sequence 999, App	937	31	34.1	61	2	US-09-248-796A-25970	Sequence 25970, A
865	32	35.2	951	2	US-09-248-796A-20520	Sequence 20520, A	938	31	34.1	62	2	US-09-270-767-33224	Sequence 33224, A
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867	32	35.2	968	2	US-09-688-188B-155	Sequence 155, App	940	31	34.1	64	1	US-08-278-089A-15	Sequence 15, Appl
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869	32	35.2	968	2	US-09-291-417D-155	Sequence 155, App	942	31	34.1	71	2	US-09-328-352-5242	Sequence 5242, Ap
870	32	35.2	968	2	US-09-949-016-6680	Sequence 6680, Ap	943	31	34.1	75	2	US-09-235-451-16	Sequence 16, Appl
871	32	35.2	970	6	5229293-2	Patent No. 5229293	944	31	34.1	75	2	US-09-235-451-17	Sequence 17, Appl
872	32	35.2	1005	2	US-09-770-170-4	Sequence 4, Appl1	945	31	34.1	75	2	US-09-978-503-16	Sequence 16, Appl
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874	32	35.2	1114	2	US-09-975-413A-12	Sequence 12, Appl	947	31	34.1	87	2	US-09-270-767-60924	Sequence 60924, A
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886	32	35.2	1388	2	US-09-543-681A-7349	Sequence 7349, Ap	959	31	34.1	116	2	US-09-215-096-4	Sequence 215, App
887	32	35.2	1399	2	US-08-462-467B-14	Sequence 14, Appl	960	31	34.1	116	2	US-09-205-658-243	Sequence 243, App
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889	32	35.2	1534	2	US-09-543-681A-5162	Sequence 5182, Ap	962	31	34.1	119	2	US-09-605-703B-2334	Sequence 2334, Ap
890	32	35.2	1584	2	US-09-251-645-6	Sequence 6, Appl	963	31	34.1	131	2	US-09-270-767-37014	Sequence 37014, A
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892	32	35.2	2008	2	US-09-270-767-46774	Sequence 46774, A	965	31	34.1	135	2	US-09-902-540-14090	Sequence 14090, A
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900	31.5	34.6	253	2	US-09-248-796A-15042	Sequence 15042, Ap	973	31	34.1	154	2	US-09-732-210-210	Sequence 210, App
901	31.5	34.6	291	2	US-09-270-767-46539	Sequence 46539, A	974	31	34.1	154	2	US-09-732-210-859	Sequence 859, App
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903	31.5	34.6	364	2	US-09-489-039A-10834	Sequence 10834, A	976	31	34.1	156	2	US-09-205-258-523	Sequence 523, App

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990 31 34.1 164 2 US-09-710-279-3040 Sequence 3040, App
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992 31 34.1 171 2 US-09-252-991A-20773 Sequence 20773, A
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995 31 34.1 173 2 US-10-101-464A-566 Sequence 566, App
996 31 34.1 174 2 US-09-830-230A-14 Sequence 14, App1
997 31 34.1 178 2 US-09-489-039A-12795 Sequence 12795, A
998 31 34.1 178 2 US-09-270-767-36799 Sequence 36799, A
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## ALIGNMENTS

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RESULT 1
US-09-308-935-3
; Sequence 3, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308, 935
; EARLIER FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/G97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-3

Query Match 100.0%; Score 91; DB 2; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.4e-09;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDNLNTVMNNISK 19
Db 1 RRRYDNLNTVMNNISK 19

RESULT 2
US-09-308-935-1
; Sequence 1, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308, 935
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; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/G97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-1
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Query Match 100.0%; Score 91; DB 2; Length 37;
Best Local Similarity 100.0%; Pred. No. 3e-09;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 RRRYDNLNTVMNNISK 19
Db 4 RRRYDNLNTVMNNISK 22
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RESULT 3
US-08-428-131-11
; Sequence 11, Application US/08428131
; Patent No. 5863757
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas Barrie
; TITLE OF INVENTION: Transcription Factor DP-1
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Nixon & Vanderhye
; STREET: 1100 No. 5863757th Glebe Road, 8th Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/428,131
; FILING DATE: 23-JUN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Arthur R. Crawford
; REGISTRATION NUMBER: 25,327
; REFERENCE/DOCKET NUMBER: 117-181
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 72 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULAR TYPE: protein
US-08-428-131-11
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Best Local Similarity 100.0%; Pred. No. 6.8e-09;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 RRRYDNLNTVMNNISK 19
Db 7 RRRYDNLNTVMNNISK 25
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NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHYTE P.C.  
STREET: 1100 NO. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 369 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-723-415B-4

Query Match 100.0%; Score 91; DB 1; Length 369;  
Best Local Similarity 100.0%; Pred. No. 4.8e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVDAALVLMAMNIIISK 19  
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DB 104 RRRVDAALVLMAMNIIISK 122

RESULT 8  
US-09-189-627A-4  
Sequence 4, Application US/09189627A  
Patent No. 6159691  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
APPLICANT: de la Luna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/189,627A  
CURRENT FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 4  
LENGTH: 369  
TYPE: PRT  
ORGANISM: mouse  
US-09-189-627A-4

Query Match 100.0%; Score 91; DB 2; Length 369;  
Best Local Similarity 100.0%; Pred. No. 4.8e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVDAALVLMAMNIIISK 19  
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DB 104 RRRVDAALVLMAMNIIISK 122

RESULT 9  
US-09-710-861-4  
Sequence 4, Application US/09710861  
Patent No. 6387649  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
APPLICANT: de la Luna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/710,861  
CURRENT FILING DATE: 2000-11-13  
PRIOR APPLICATION NUMBER: US/09/189,627  
PRIOR FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 4  
LENGTH: 369  
TYPE: PRT  
ORGANISM: mouse  
US-09-710-861-4

Query Match 100.0%; Score 91; DB 2; Length 369;  
Best Local Similarity 100.0%; Pred. No. 4.8e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVDAALVLMAMNIIISK 19  
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DB 104 RRRVDAALVLMAMNIIISK 122

RESULT 10  
US-08-723-415B-6  
Sequence 6, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: LaThangue, Nicholas B.  
APPLICANT: de laLuna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHYTE P.C.  
STREET: 1100 NO. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100

; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 370 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-723-415B-6

Query Match 100.0%; Score 91; DB 1; Length 370;  
Best Local Similarity 100.0%; Pred. No. 4.8e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVDAIIVLMAMNIISK 19  
Db 105 RRRVDAIIVLMAMNIISK 123

RESULT 11  
US-09-189-627A-6  
; Sequence 6, Application US/09189627A  
; Patent No. 6159691  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/189,627A  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 6  
; LENGTH: 370  
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; ORGANISM: mouse  
US-09-189-627A-6

Query Match 100.0%; Score 91; DB 2; Length 370;  
Best Local Similarity 100.0%; Pred. No. 4.8e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVDAIIVLMAMNIISK 19  
Db 105 RRRVDAIIVLMAMNIISK 123

RESULT 12  
US-09-710-861-6  
; Sequence 6, Application US/09710861  
; Patent No. 6387649  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/710,861  
; PRIOR FILING DATE: 2000-11-13  
; PRIOR APPLICATION NUMBER: US/09/189,627  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
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US-09-710-861-6

Query Match 100.0%; Score 91; DB 2; Length 370;  
Best Local Similarity 100.0%; Pred. No. 4.8e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVDAIIVLMAMNIISK 19  
Db 105 RRRVDAIIVLMAMNIISK 123

RESULT 13  
US-08-723-415B-8  
; Sequence 8, Application US/08723415B  
; Patent No. 5859199  
; GENERAL INFORMATION:  
; APPLICANT: Lathangue, Nicholas B.  
; APPLICANT: delaluna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
; TITLE OF INVENTION: THEREOF  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 NO. 5859199th Giebe Rd. 8th floor  
; CITY: Arlington  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201-4741  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/723,415B  
; FILING DATE: 30-SEP-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: GB 9610195.1  
; FILING DATE: 15-MAY-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Crawford, Arthur R.  
; REGISTRATION NUMBER: 25,327  
; REFERENCE/DOCKET NUMBER: 117-220  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-816-4000  
; TELEFAX: 703-816-4100  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
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; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-723-415B-8

Query Match 100.0%; Score 91; DB 1; Length 385;  
Best Local Similarity 100.0%; Pred. No. 5e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVDAIIVLMAMNIISK 19  
Db 120 RRRVDAIIVLMAMNIISK 138

RESULT 14  
US-09-189-627A-8  
; Sequence 8, Application US/09189627A  
; Patent No. 6159691  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/189,627A

/ CURRENT FILING DATE: 1998-11-10  
 / PRIOR APPLICATION NUMBER: 08/723,415  
 / PRIOR FILING DATE: 1996-09-30  
 / PRIOR APPLICATION NUMBER: GB 9610195  
 / PRIOR FILING DATE: 1996-05-15  
 / NUMBER OF SEQ ID NOS: 25  
 / SOFTWARE: Patentin Ver. 2.0  
 / SEQ ID NO 8  
 / LENGTH: 385  
 / TYPE: PRT  
 / ORGANISM: mouse  
 / US-09-189-627A-8

Query Match 100.0%; Score 91; DB 2; Length 385;  
 Best Local Similarity 100.0%; Pred. No. 5e-08;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNVTMMNTISK 19  
 DB 120 RRRYDALNVTMMNTISK 138

RESULT 15  
 US-09-710-861-8  
 / Sequence 8, Application US/09710861  
 / Patent No. 6387649  
 / GENERAL INFORMATION:  
 / APPLICANT: la Thangue, Nicholas  
 / TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
 / FILE REFERENCE: 620-54  
 / CURRENT APPLICATION NUMBER: US/09/710,861  
 / CURRENT FILING DATE: 2000-11-13  
 / PRIOR APPLICATION NUMBER: US/09/189,627  
 / PRIOR FILING DATE: 1998-11-10  
 / PRIOR APPLICATION NUMBER: 08/723,415  
 / PRIOR FILING DATE: 1996-09-30  
 / PRIOR APPLICATION NUMBER: GB 9610195  
 / PRIOR FILING DATE: 1996-05-15  
 / NUMBER OF SEQ ID NOS: 25  
 / SOFTWARE: Patentin Ver. 2.0  
 / SEQ ID NO 8  
 / LENGTH: 385  
 / TYPE: PRT  
 / ORGANISM: mouse  
 / US-09-710-861-8

Query Match 100.0%; Score 91; DB 2; Length 385;  
 Best Local Similarity 100.0%; Pred. No. 5e-08;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNVTMMNTISK 19  
 DB 120 RRRYDALNVTMMNTISK 138

RESULT 16  
 US-08-723-415B-10  
 / Sequence 10, Application US/08723415B  
 / Patent No. 5859199  
 / GENERAL INFORMATION:  
 / APPLICANT: Lathangue, Nicholas B.  
 / APPLICANT: delaluna, Susana  
 / TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
 / TITLE OF INVENTION: THEREOF  
 / NUMBER OF SEQUENCES: 21  
 / CORRESPONDENCE ADDRESS:  
 / ADDRESSEE: NIXON & VANDERHAYE P.C.  
 / STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
 / CITY: Arlington  
 / STATE: VA  
 / COUNTRY: USA  
 / ZIP: 22201-4741

/ COMPUTER READABLE FORM:  
 / MEDIUM TYPE: Floppy disk  
 / COMPUTER: IBM PC compatible  
 / OPERATING SYSTEM: PC-DOS/MS-DOS  
 / SOFTWARE: Patentin Release #1.0, Version #1.30  
 / CURRENT APPLICATION DATA:  
 / APPLICATION NUMBER: US/08/723,415B  
 / FILING DATE: 30-SEP-1996  
 / CLASSIFICATION: 435  
 / PRIOR APPLICATION DATA:  
 / APPLICATION NUMBER: GB 9610195.1  
 / FILING DATE: 15-MAY-1996  
 / ATTORNEY/AGENT INFORMATION:  
 / NAME: Crawford, Arthur R.  
 / REGISTRATION NUMBER: 25,327  
 / REFERENCE/DOCKET NUMBER: 117-220  
 / TELECOMMUNICATION INFORMATION:  
 / TELEPHONE: 703-816-4000  
 / TELEFAX: 703-816-4100  
 / INFORMATION FOR SEQ ID NO: 10:  
 / SEQUENCE CHARACTERISTICS:  
 / LENGTH: 410 amino acids  
 / TYPE: amino acid  
 / STRANDEDNESS:  
 / TOPOLOGY: linear  
 / MOLECULE TYPE: protein  
 / US-08-723-415B-10

Query Match 100.0%; Score 91; DB 1; Length 410;  
 Best Local Similarity 100.0%; Pred. No. 5.4e-08;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNVTMMNTISK 19  
 DB 166 RRRYDALNVTMMNTISK 184

RESULT 17  
 US-08-723-415B-11  
 / Sequence 11, Application US/08723415B  
 / Patent No. 5859199  
 / GENERAL INFORMATION:  
 / APPLICANT: Lathangue, Nicholas B.  
 / APPLICANT: delaluna, Susana  
 / TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
 / TITLE OF INVENTION: THEREOF  
 / NUMBER OF SEQUENCES: 21  
 / CORRESPONDENCE ADDRESS:  
 / ADDRESSEE: NIXON & VANDERHAYE P.C.  
 / STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
 / CITY: Arlington  
 / STATE: VA  
 / COUNTRY: USA  
 / ZIP: 22201-4741  
 / COMPUTER READABLE FORM:  
 / MEDIUM TYPE: Floppy disk  
 / COMPUTER: IBM PC compatible  
 / OPERATING SYSTEM: PC-DOS/MS-DOS  
 / SOFTWARE: Patentin Release #1.0, Version #1.30  
 / CURRENT APPLICATION DATA:  
 / APPLICATION NUMBER: US/08/723,415B  
 / FILING DATE: 30-SEP-1996  
 / CLASSIFICATION: 435  
 / PRIOR APPLICATION DATA:  
 / APPLICATION NUMBER: GB 9610195.1  
 / FILING DATE: 15-MAY-1996  
 / ATTORNEY/AGENT INFORMATION:  
 / NAME: Crawford, Arthur R.  
 / REGISTRATION NUMBER: 25,327  
 / REFERENCE/DOCKET NUMBER: 117-220  
 / TELECOMMUNICATION INFORMATION:  
 / TELEPHONE: 703-816-4000  
 / TELEFAX: 703-816-4100

; INFORMATION FOR SEQ ID NO: 11:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 410 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS:  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-723-415B-11

Query Match 100.0%; Score 91; DB 1; Length 410;  
 Best Local Similarity 100.0%; Pred. No. 5.4e-08;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNVLMMNIISK 19  
 |||||  
 Db 166 RRRYDALNVLMMNIISK 184

RESULT 18  
 US-08-428-131-2  
 ; Sequence 2, Application US/08428131  
 ; Patent No. 5863757  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Thangue, Nicholas Barrie  
 ; TITLE OF INVENTION: Transcription Factor DP-1  
 ; NUMBER OF SEQUENCES: 14  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Nixon & Vanderhye  
 ; STREET: 1100 No. 5863757th Glebe Road, 8th Floor  
 ; CITY: Arlington  
 ; STATE: Virginia  
 ; COUNTRY: U.S.A.  
 ; ZIP: 22201-4714  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/428,131  
 ; FILING DATE: 23-JUN-1995  
 ; CLASSIFICATION: 514  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Arthur R. Crawford  
 ; REGISTRATION NUMBER: 25,327  
 ; REFERENCE/DOCKET NUMBER: 117-181  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (703) 816-4000  
 ; TELEFAX: (703) 816-4100  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 410 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-428-131-2

Query Match 100.0%; Score 91; DB 1; Length 410;  
 Best Local Similarity 100.0%; Pred. No. 5.4e-08;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 RRRYDALNVLMMNIISK 19  
 |||||  
 Db 166 RRRYDALNVLMMNIISK 184  
 RESULT 19  
 US-08-602-846-2  
 ; Sequence 2, Application US/08602846  
 ; Patent No. 5871901  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Thangue, Nicholas B  
 ; TITLE OF INVENTION: ASSAY FOR INHIBITORS OF DP-1 AND OTHER DP

; TITLE OF INVENTION: PROTEINS.  
 ; NUMBER OF SEQUENCES: 3  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Nixon & Vanderhye PC  
 ; STREET: 8th Floor, 1100 No. 5871901th Glebe Road  
 ; CITY: Arlington  
 ; STATE: Virginia  
 ; COUNTRY: USA  
 ; ZIP: 22201-4714  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentin Release #1.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/602,846  
 ; FILING DATE: 26-FEB-1996  
 ; CLASSIFICATION: 435  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: CRAWFORD, ARTHUR R.  
 ; REGISTRATION NUMBER: 25,327  
 ; REFERENCE/DOCKET NUMBER: 620-12  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (703) 816-4000  
 ; TELEFAX: (703) 816-4100  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 410 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-602-846-2

Query Match 100.0%; Score 91; DB 1; Length 410;  
 Best Local Similarity 100.0%; Pred. No. 5.4e-08;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNVLMMNIISK 19  
 |||||  
 Db 166 RRRYDALNVLMMNIISK 184

RESULT 20  
 US-09-078-596-2  
 ; Sequence 2, Application US/09078596  
 ; Patent No. 6150116  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Thangue, Nicholas Barrie  
 ; TITLE OF INVENTION: Transcription Factor DP-1  
 ; NUMBER OF SEQUENCES: 14  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Nixon & Vanderhye  
 ; STREET: 1100 No. 6150116th Glebe Road, 8th Floor  
 ; CITY: Arlington  
 ; STATE: Virginia  
 ; COUNTRY: U.S.A.  
 ; ZIP: 22201-4714  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/078,596  
 ; FILING DATE:  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION NUMBER:  
 ; APPLICATION NUMBER: US/08/428,131  
 ; FILING DATE: 23-JUN-1995  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Arthur R. Crawford  
 ; REGISTRATION NUMBER: 25,327  
 ; REFERENCE/DOCKET NUMBER: 117-181

```

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 410 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-078-596-2

Query Match      100.0%; Score 91; DB 2; Length 410;
Best Local Similarity 100.0%; Pred. No. 5.4e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 RRRVDAALVLMAMNIIISK 19
Db      166 RRRVDAALVLMAMNIIISK 184

RESULT 21
US-09-189-627A-10
; Sequence 10, Application US/09189627A
; Patent No. 6159691
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas
; APPLICANT: de la Luna, Susana
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
; FILE REFERENCE: 620-54
; CURRENT APPLICATION NUMBER: US/09/189,627A
; CURRENT FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: 08/723,415
; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: GB 9610195
; PRIOR FILING DATE: 1996-05-15
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 410
; TYPE: PRT
; ORGANISM: human
; US-09-189-627A-10

Query Match      100.0%; Score 91; DB 2; Length 410;
Best Local Similarity 100.0%; Pred. No. 5.4e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 RRRVDAALVLMAMNIIISK 19
Db      166 RRRVDAALVLMAMNIIISK 184

RESULT 22
US-09-189-627A-11
; Sequence 11, Application US/09189627A
; Patent No. 6159691
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas
; APPLICANT: de la Luna, Susana
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
; FILE REFERENCE: 620-54
; CURRENT APPLICATION NUMBER: US/09/189,627A
; CURRENT FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: 08/723,415
; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: GB 9610195
; PRIOR FILING DATE: 1996-05-15
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 410
; TYPE: PRT
; ORGANISM: mouse
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US-09-189-627A-11

Query Match      100.0%; Score 91; DB 2; Length 410;
Best Local Similarity 100.0%; Pred. No. 5.4e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 RRRVDAALVLMAMNIIISK 19
Db      166 RRRVDAALVLMAMNIIISK 184

RESULT 23
US-09-710-861-10
; Sequence 10, Application US/09710861
; Patent No. 6387649
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas
; APPLICANT: de la Luna, Susana
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
; FILE REFERENCE: 620-54
; CURRENT APPLICATION NUMBER: US/09/710,861
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US/09/189,627
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: 08/723,415
; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: GB 9610195
; PRIOR FILING DATE: 1996-05-15
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 410
; TYPE: PRT
; ORGANISM: human
; US-09-710-861-10

Query Match      100.0%; Score 91; DB 2; Length 410;
Best Local Similarity 100.0%; Pred. No. 5.4e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 RRRVDAALVLMAMNIIISK 19
Db      166 RRRVDAALVLMAMNIIISK 184

RESULT 24
US-09-710-861-11
; Sequence 11, Application US/09710861
; Patent No. 6387649
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas
; APPLICANT: de la Luna, Susana
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
; FILE REFERENCE: 620-54
; CURRENT APPLICATION NUMBER: US/09/710,861
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US/09/189,627
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: 08/723,415
; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: GB 9610195
; PRIOR FILING DATE: 1996-05-15
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 410
; TYPE: PRT
; ORGANISM: mouse
; US-09-710-861-11

Query Match      100.0%; Score 91; DB 2; Length 410;
Best Local Similarity 100.0%; Pred. No. 5.4e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 RRRVYDALVLMAMNIIISK 19  
Db 166 RRRVYDALVLMAMNIIISK 184

RESULT 25  
US-09-949-016-8808  
; Sequence 8808, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VERTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; PRIOR FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 8808  
; LENGTH: 415  
; TYPE: PRT  
; ORGANISM: Human  
US-09-949-016-8808

Query Match 100.0%; Score 91; DB 2; Length 415;  
Best Local Similarity 100.0%; Pred. No. 5.5e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRRVYDALVLMAMNIIISK 19  
Db 171 RRRVYDALVLMAMNIIISK 189

RESULT 26  
US-08-723-415B-2  
; Sequence 2, Application US/08723415B  
; Patent No. 5859199  
; GENERAL INFORMATION:  
; APPLICANT: Lathangue, Nicholas B.  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
; CITY: Arlington  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201-4741  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/723,415B  
; FILING DATE: 30-SEP-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION NUMBER: GB 9610195.1  
; FILING DATE: 15-MAY-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Crawford, Arthur R.  
; REGISTRATION NUMBER: 25,327  
; REFERENCE/DOCKET NUMBER: 117-220

TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-816-4000  
; TELEFAX: 703-816-4100  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 446 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-723-415B-2

Query Match 100.0%; Score 91; DB 1; Length 446;  
Best Local Similarity 100.0%; Pred. No. 6e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRRVYDALVLMAMNIIISK 19  
Db 181 RRRVYDALVLMAMNIIISK 199

RESULT 27  
US-09-189-627A-2  
; Sequence 2, Application US/09189627A  
; Patent No. 6159691  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/189,627A  
; CURRENT FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 446  
; TYPE: PRT  
; ORGANISM: mouse  
US-09-189-627A-2

Query Match 100.0%; Score 91; DB 2; Length 446;  
Best Local Similarity 100.0%; Pred. No. 6e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRRVYDALVLMAMNIIISK 19  
Db 181 RRRVYDALVLMAMNIIISK 199

RESULT 28  
US-09-710-861-2  
; Sequence 2, Application US/09710861  
; Patent No. 6387649  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/710,861  
; CURRENT FILING DATE: 2000-11-13  
; PRIOR APPLICATION NUMBER: US/09/189,627  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 446

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/ TYPE: PRT
/ ORGANISM: mouse
US-09-710-861-2

Query Match          100.0%; Score 91; DB 2; Length 446;
Best Local Similarity 100.0%; Pred. No. 6e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 RRRYDNLVLMAMNISK 19
      |||
Db      181 RRRYDNLVLMAMNISK 199

RESULT 29
US-09-269-576G-22
/ Sequence 22; Application US/09269576G
/ Patent No. 6713449
/ GENERAL INFORMATION:
/ APPLICANT: Shubata, Kenji
/ APPLICANT: Yamaseaki, Motoo
/ APPLICANT: Yoshida, Tetsuo
/ APPLICANT: Mizukami, Tami
/ TITLE OF INVENTION: E2F Activity-Inhibiting Compound
/ FILE REFERENCE: 766.29
/ CURRENT APPLICATION NUMBER: US/09/269,576G
/ CURRENT FILING DATE: 1999-03-30
/ PRIOR APPLICATION NUMBER: PCT/JP97/03442
/ PRIOR FILING DATE: 1997-09-26
/ PRIOR APPLICATION NUMBER: JP 259432/1996
/ PRIOR FILING DATE: 1996-09-30
/ NUMBER OF SEQ ID NOS: 27
/ SOFTWARE: WordPerfect 8
/ SEQ ID NO 22
/ LENGTH: 28
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic
US-09-269-576G-22

Query Match          94.5%; Score 86; DB 2; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.7e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 RRRYDNLVLMAMNISK 18
      |||
Db      11 RRRYDNLVLMAMNISK 28

RESULT 30
US-09-269-576G-24
/ Sequence 24; Application US/09269576G
/ Patent No. 6713449
/ GENERAL INFORMATION:
/ APPLICANT: Shubata, Kenji
/ APPLICANT: Yamaseaki, Motoo
/ APPLICANT: Yoshida, Tetsuo
/ APPLICANT: Mizukami, Tami
/ TITLE OF INVENTION: E2F Activity-Inhibiting Compound
/ FILE REFERENCE: 766.29
/ CURRENT APPLICATION NUMBER: US/09/269,576G
/ CURRENT FILING DATE: 1999-03-30
/ PRIOR APPLICATION NUMBER: PCT/JP97/03442
/ PRIOR FILING DATE: 1997-09-26
/ PRIOR APPLICATION NUMBER: JP 259432/1996
/ PRIOR FILING DATE: 1996-09-30
/ NUMBER OF SEQ ID NOS: 27
/ SOFTWARE: WordPerfect 8
/ SEQ ID NO 24
/ LENGTH: 28
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
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/ OTHER INFORMATION: Synthetic
US-09-269-576G-24

Query Match          94.5%; Score 86; DB 2; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.7e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 RRRYDNLVLMAMNISK 18
      |||
Db      11 RRRYDNLVLMAMNISK 28

RESULT 31
US-09-640-211A-1157
/ Sequence 1157; Application US/09640211A
/ Patent No. 6833446
/ GENERAL INFORMATION:
/ APPLICANT: Wood, Marion
/ APPLICANT: Shenk, Michael A.
/ APPLICANT: McGrath, Annette
/ APPLICANT: Glenn, Matthew
/ TITLE OF INVENTION: Compositions and Methods for the
/ TITLE OF INVENTION: Modification of Gene Transcription
/ FILE REFERENCE: 11000.1021CIU
/ CURRENT APPLICATION NUMBER: US/09/640,211A
/ CURRENT FILING DATE: 2000-08-16
/ NUMBER OF SEQ ID NOS: 2368
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1157
/ LENGTH: 119
/ TYPE: PRT
/ ORGANISM: Pinus radiata
US-09-640-211A-1157

Query Match          94.5%; Score 86; DB 2; Length 119;
Best Local Similarity 94.7%; Pred. No. 9.5e-08;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 RRRYDNLVLMAMNISK 19
      |||
Db      74 RRRYDNLVLMAMNISK 92

RESULT 32
US-09-640-211A-1056
/ Sequence 1056; Application US/09640211A
/ Patent No. 6833446
/ GENERAL INFORMATION:
/ APPLICANT: Wood, Marion
/ APPLICANT: Shenk, Michael A.
/ APPLICANT: McGrath, Annette
/ APPLICANT: Glenn, Matthew
/ TITLE OF INVENTION: Compositions and Methods for the
/ TITLE OF INVENTION: Modification of Gene Transcription
/ FILE REFERENCE: 11000.1021CIU
/ CURRENT APPLICATION NUMBER: US/09/640,211A
/ CURRENT FILING DATE: 2000-08-16
/ NUMBER OF SEQ ID NOS: 2368
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1056
/ LENGTH: 120
/ TYPE: PRT
/ ORGANISM: Pinus radiata
US-09-640-211A-1056

Query Match          94.5%; Score 86; DB 2; Length 120;
Best Local Similarity 94.7%; Pred. No. 9.6e-08;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 RRRYDNLVLMAMNISK 19
      |||
Db      73 RRRYDNLVLMAMNISK 91
```

```
RESULT 33
US-09-308-935-15
; Sequence 15, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; EARLIER FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 19
; TYPE: PRF
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide
US-09-308-935-15

Query Match          91.2%; Score 83; DB 2; Length 19;
Best Local Similarity 89.5%; Pred. No. 3.6e-08;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 RRRVYDALNVLMMNNIISK 19
DB      1 RRRVYDALNVLMMNNIISK 19

RESULT 34
US-09-269-576G-3
; Sequence 3, Application US/09269576G
; Patent No. 6713449
; GENERAL INFORMATION:
; APPLICANT: Shubata, Kenji
; APPLICANT: Yamasaki, Motoo
; APPLICANT: Yoshida, Tetsuo
; APPLICANT: Mizukami, Tamio
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound
; FILE REFERENCE: 766.29
; CURRENT APPLICATION NUMBER: US/09/269,576G
; CURRENT FILING DATE: 1999-03-30
; PRIOR APPLICATION NUMBER: PCT/JP97/03442
; PRIOR FILING DATE: 1997-09-26
; PRIOR APPLICATION NUMBER: JP 259432/1996
; PRIOR FILING DATE: 1996-09-30
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: WordPerfect 8
; SEQ ID NO 3
; LENGTH: 28
; TYPE: PRF
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-asparagine
; LOCATION: 28
; OTHER INFORMATION: Xaa at position 28 representing L-serinamide
US-09-269-576G-3

Query Match          90.1%; Score 82; DB 2; Length 28;
Best Local Similarity 100.0%; Pred. No. 8.7e-08;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 RRRVYDALNVLMMNNIISK 17
DB      11 RRRVYDALNVLMMNNIISK 27

RESULT 35
US-09-269-576G-21
; Sequence 21, Application US/09269576G
; Patent No. 6713449
; GENERAL INFORMATION:
; APPLICANT: Shubata, Kenji
; APPLICANT: Yamasaki, Motoo
; APPLICANT: Yoshida, Tetsuo
; APPLICANT: Mizukami, Tamio
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound
; FILE REFERENCE: 766.29
; CURRENT APPLICATION NUMBER: US/09/269,576G
; CURRENT FILING DATE: 1999-03-30
; PRIOR APPLICATION NUMBER: PCT/JP97/03442
; PRIOR FILING DATE: 1997-09-26
; PRIOR APPLICATION NUMBER: JP 259432/1996
; PRIOR FILING DATE: 1996-09-30
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: WordPerfect 8
; SEQ ID NO 21
; LENGTH: 28
; TYPE: PRF
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: Xaa at position 1 representing N-lauryl-L-asparagine
; NAME/KEY: Modified-site
; LOCATION: 28
; OTHER INFORMATION: Xaa at position 28 representing L-serinamide
US-09-269-576G-21

Query Match          90.1%; Score 82; DB 2; Length 28;
Best Local Similarity 100.0%; Pred. No. 8.7e-08;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 RRRVYDALNVLMMNNIISK 17
DB      11 RRRVYDALNVLMMNNIISK 27

RESULT 36
US-08-428-131-13
; Sequence 13, Application US/08428131
; Patent No. 5863757
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas Barrie
; TITLE OF INVENTION: Transcription Factor DP-1
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon & Vanderhye
; STREET: 1100 No. 5863757th Glebe Road, 8th Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/428,131
; FILING DATE: 23-JUN-1995
```

CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,337  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-428-131-13

Query Match 89.0%; Score 81; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 7.2e-08;  
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 RRVYDALNVLMANNITIS 18  
DB 1 RRVYDALNVLMANNITIS 17

RESULT 37  
US-09-078-596-13  
Sequence 13, Application US/09078596  
Patent No. 6150116

GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas Barrie  
TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Nixon & Vanderhye  
STREET: 1100 No. 6150116th Glebe Road, 8th Floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/078,596  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,337  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-078-596-13

Query Match 89.0%; Score 81; DB 2; Length 17;  
Best Local Similarity 100.0%; Pred. No. 7.2e-08;  
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 RRVYDALNVLMANNITIS 18  
DB 1 RRVYDALNVLMANNITIS 17

RESULT 38  
US-09-308-935-17  
Sequence 17, Application US/09308935  
Patent No. 6268334  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/308,935  
EARLIER FILING DATE: 1999-05-27  
EARLIER APPLICATION NUMBER: PCT/GB97/03506  
EARLIER FILING DATE: 1997-12-22  
EARLIER APPLICATION NUMBER: GB 9626589.7  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: Patentin Ver. 2.1  
SEQ ID NO 17  
LENGTH: 19  
TYPE: PPT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-308-935-17

Query Match 86.8%; Score 79; DB 2; Length 19;  
Best Local Similarity 89.5%; Pred. No. 1.9e-07;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 RRVYDALNVLMANNITISK 19  
DB 1 RRVYDALNVLMANNITISK 19

RESULT 39  
US-09-308-935-16  
Sequence 16, Application US/09308935  
Patent No. 6268334  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/308,935  
CURRENT FILING DATE: 1999-05-27  
EARLIER APPLICATION NUMBER: PCT/GB97/03506  
EARLIER FILING DATE: 1997-12-22  
EARLIER APPLICATION NUMBER: GB 9626589.7  
EARLIER FILING DATE: 1996-12-20  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: Patentin Ver. 2.1  
SEQ ID NO 16  
LENGTH: 19  
TYPE: PPT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-308-935-16

Query Match 84.6%; Score 77; DB 2; Length 19;  
Best Local Similarity 89.5%; Pred. No. 4.2e-07;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 RRVYDALNVLMANNITISK 19  
DB 1 RRVYDALNVLMANNITISK 19

```
RESULT 40
US-09-308-935-5
; Sequence 5, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; EARLIER FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-5

Query Match      83.5%; Score 76; DB 2; Length 16;
Best Local Similarity 100.0%; Pred. No. 5.2e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      3 RYVDALNTVMANNITIS 18
Db      1 RYVDALNTVMANNITIS 16

RESULT 41
US-09-269-576G-26
; Sequence 26, Application US/09269576G
; Patent No. 6713449
; GENERAL INFORMATION:
; APPLICANT: Shubata, Kenji
; APPLICANT: Yamasaaki, Motoo
; APPLICANT: Yoshida, Tetsuo
; APPLICANT: Mizukami, Tamiro
; TITLE OF INVENTION: B2F Activity-Inhibiting Compound
; FILE REFERENCE: 766-29
; CURRENT APPLICATION NUMBER: US/09/269,576G
; CURRENT FILING DATE: 1999-03-30
; PRIOR APPLICATION NUMBER: PCT/JP97/03442
; PRIOR FILING DATE: 1997-09-26
; PRIOR APPLICATION NUMBER: JP 259432/1996
; PRIOR FILING DATE: 1996-09-30
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: WordPerfect 8
; SEQ ID NO 26
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
; NAME/KEY: Modified-site
; LOCATION: 1-10 and 26-29
; OTHER INFORMATION: any one or all of amino acids 1-10 and 26-29 may be present or ab
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: Xaa at position 1 represents Asn, Thr, Ala or Tyr
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 2
; OTHER INFORMATION: Xaa at position 2 represents Glu or Asp
; FEATURE:
; NAME/KEY: Modified-site
```

```
LOCATION: 3
; OTHER INFORMATION: Xaa at position 3 represents Ser or Asn
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 5
; OTHER INFORMATION: Xaa at position 5 represents Ala or Asn
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 6
; OTHER INFORMATION: Xaa at position 6 represents Tyr or Cys
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 9
; OTHER INFORMATION: Xaa at position 9 represents Lys or Glu
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 25
; OTHER INFORMATION: Xaa at position 25 represents Met or Ile
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 27
; OTHER INFORMATION: Xaa at position 27 represents Ile or Val
US-09-269-576G-26

Query Match      82.4%; Score 75; DB 2; Length 29;
Best Local Similarity 88.9%; Pred. No. 1.6e-06;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 RRRYVDALNTVMANNITIS 18
Db      12 RRRYVDALNTVMANNITIS 29

RESULT 42
US-09-308-935-6
; Sequence 6, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-6

Query Match      79.1%; Score 72; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 5.6e-06;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      5 YDALTNTVMANNITSK 19
Db      1 YDALTNTVMANNITSK 15

RESULT 43
US-09-308-935-11
; Sequence 11, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
```

```

; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: WordPerfect 8
; SEQ ID NO 11
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-11

```

```

Query Match          75.8%; Score 69; DB 2; Length 14;
Best Local Similarity 100.0%; Pred. No. 7.7e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      2 RRRYDALNTLMAN 15
DB      1 RRRYDALNTLMAN 14

```

```

RESULT 44
US-09-269-576G-23
; Sequence 23, Application US/09269576G
; Patent No. 6713449
; GENERAL INFORMATION:
; APPLICANT: Shubata, Kenji
; APPLICANT: Yamasaki, Motoo
; APPLICANT: Mizukami, Tamio
; APPLICANT: Yoshida, Tetsuo
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound
; FILE REFERENCE: 766.29
; CURRENT APPLICATION NUMBER: US/09/269,576G
; CURRENT FILING DATE: 1999-03-30
; PRIOR APPLICATION NUMBER: PCT/JP97/03442
; PRIOR FILING DATE: 1997-09-26
; PRIOR APPLICATION NUMBER: JP 259432/1996
; PRIOR FILING DATE: 1996-09-30
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: WordPerfect 8
; SEQ ID NO 23
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-269-576G-23

```

```

Query Match          74.7%; Score 68; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.3e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 RRRYDALNTLMAN 14
DB      2 RRRYDALNTLMAN 15

```

```

RESULT 45
US-09-269-576G-4
; Sequence 4, Application US/09269576G
; Patent No. 6713449
; GENERAL INFORMATION:
; APPLICANT: Shubata, Kenji
; APPLICANT: Yamasaki, Motoo
; APPLICANT: Yoshida, Tetsuo
; APPLICANT: Mizukami, Tamio

```

```

; TITLE OF INVENTION: E2F Activity-Inhibiting Compound
; FILE REFERENCE: 766.29
; CURRENT APPLICATION NUMBER: US/09/269,576G
; CURRENT FILING DATE: 1999-03-30
; PRIOR APPLICATION NUMBER: PCT/JP97/03442
; PRIOR FILING DATE: 1997-09-26
; PRIOR APPLICATION NUMBER: JP 259432/1996
; PRIOR FILING DATE: 1996-09-30
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: WordPerfect 8
; SEQ ID NO 4
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
; NAME/KEY: Modified-site
; LOCATION: 1
; LOCATION: Xaa at position 1 representing N-acetyl-L-isoleucine
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 15
; OTHER INFORMATION: Xaa at position 15 representing L-methioninamide
US-09-269-576G-4

```

```

Query Match          69.2%; Score 63; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 9.8e-05;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 RRRYDALNTLMA 13
DB      2 RRRYDALNTLMA 14

```

```

RESULT 46
US-09-308-935-9
; Sequence 9, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: Bandara, Lasantha R
; APPLICANT: La Thangue, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-9

```

```

Query Match          59.3%; Score 54; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.0027;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 RRRYDALNTL 11
DB      1 RRRYDALNTL 11

```

```

RESULT 47
US-09-308-935-4
; Sequence 4, Application US/09308935
; Patent No. 6268334

```

```

; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-4

Query Match          56.0%; Score 51; DB 2; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          9 NVLMANNISK 19
            |||||
            1 NVLMANNISK 11

RESULT 48
US-08-428-131-12
; Sequence 12, Application US/08428131
; Patent No. 5863757
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas Barrie
; TITLE OF INVENTION: Transcription Factor DP-1
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Nixon & Vanderhye
; STREET: 1100 No. 5863757th Glebe Road, 8th Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/428,131
; FILING DATE: 23-JUN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Arthur R. Crawford
; REGISTRATION NUMBER: 25,327
; REFERENCE/DOCKET NUMBER: 117-181
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 73 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-428-131-12

Query Match          56.0%; Score 51; DB 1; Length 73;
Best Local Similarity 47.4%; Pred. No. 0.088;
Matches 9; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
```

```

Qy          1 RRRVYDALNTVMANNISK 19
            :||:|||||:|:|
            7 KRRVYDTNVLGGIQLAK 25

RESULT 49
US-09-078-596-12
; Sequence 12, Application US/09078596
; Patent No. 6150116
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas Barrie
; TITLE OF INVENTION: Transcription Factor DP-1
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Nixon & Vanderhye
; STREET: 1100 No. 6150116th Glebe Road, 8th Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/078,596
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/428,131
; FILING DATE: 23-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Arthur R. Crawford
; REGISTRATION NUMBER: 25,327
; REFERENCE/DOCKET NUMBER: 117-181
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; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 73 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-078-596-12

Query Match          56.0%; Score 51; DB 2; Length 73;
Best Local Similarity 47.4%; Pred. No. 0.088;
Matches 9; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

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RESULT 50
US-08-894-139-5
; Sequence 5, Application US/08894139
; Patent No. 6448376
; GENERAL INFORMATION:
; APPLICANT: LA THANGUE, NICHOLAS B.
; APPLICANT: BERNARDS, RENE
; APPLICANT: HJWANS, ELEANORE M.
; TITLE OF INVENTION: TRANSCRIPTION FACTOR E2F-5
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSER: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
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; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/894,139
; FILING DATE: 13-AUG-1997
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
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; REFERENCE/DOCKET NUMBER: 620-22
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
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; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-894-139-5

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Search completed: March 17, 2006, 20:54:40  
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GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: March 17, 2006, 21:14:49 ; Search time 7.36364 Seconds  
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Title: US-09-900-147-2

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Searched: 169630 seqs, 2862289 residues

Total number of hits satisfying chosen parameters: 169630

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1000 summaries

Database : Published Applications\_AA\_New:\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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165	25	59.5	550	6	US-10-623-155-225	Sequence 225, App	238	24	57.1	377	7	US-11-096-568A-12593	Sequence 12593, A
166	25	59.5	563	6	US-10-821-234-1067	Sequence 1067, App	239	24	57.1	382	6	US-10-995-561-926	Sequence 926, App
167	25	59.5	571	7	US-11-072-512-2709	Sequence 2709, App	240	24	57.1	382	6	US-11-069-185-8	Sequence 8, Appl1
168	25	59.5	572	6	US-10-467-657-7724	Sequence 7724, App	241	24	57.1	383	6	US-10-793-626-2026	Sequence 2026, App
169	25	59.5	572	7	US-11-087-099-7889	Sequence 7889, App	242	24	57.1	388	7	US-11-096-568A-12592	Sequence 12592, A
170	25	59.5	600	6	US-10-467-657-2008	Sequence 2008, App	243	24	57.1	400	6	US-10-821-234-1273	Sequence 1273, Ap
171	25	59.5	719	6	US-10-793-626-1548	Sequence 1548, App	244	24	57.1	400	7	US-11-077-386-26	Sequence 26, Appl

245	24	57.1	414	7	US-11-096-568A-23357	Sequence 23357, A	318	24	57.1	1342	7	US-11-113-202-14	Sequence 14, Appl
246	24	57.1	415	6	US-10-995-561-927	Sequence 927, Appl	319	24	57.1	1408	7	US-11-087-099-8482	Sequence 882, App
247	24	57.1	415	7	US-11-219-582-10	Sequence 10, Appl	320	24	57.1	1460	6	US-10-517-939-362	Sequence 362, App
248	24	57.1	415	7	US-11-048-774-4	Sequence 4, Appl1	321	24	57.1	1473	7	US-11-052-554A-173	Sequence 173, App
249	24	57.1	416	7	US-11-096-568A-11836	Sequence 11836, A	322	24	57.1	2105	7	US-11-096-568A-27513	Sequence 27513, A
250	24	57.1	417	7	US-11-096-568A-11835	Sequence 11835, A	323	24	57.1	2167	7	US-11-096-568A-27512	Sequence 27512, A
251	24	57.1	423	6	US-10-821-234-900	Sequence 900, App	324	24	57.1	2518	7	US-11-096-568A-27512	Sequence 27512, A
252	24	57.1	426	7	US-11-087-099-423	Sequence 423, App	325	24	57.1	2535	7	US-11-096-568A-27511	Sequence 27511, A
253	24	57.1	430	7	US-11-096-568A-23356	Sequence 23356, A	326	23	54.8	17	7	US-11-129-741-4195	Sequence 4195, App
254	24	57.1	432	7	US-11-194-246-308	Sequence 308, App	327	23	54.8	28	7	US-11-004-399-2399	Sequence 2399, App
255	24	57.1	447	7	US-11-055-822-1070	Sequence 1070, App	328	23	54.8	51	7	US-11-000-463-362	Sequence 362, App
256	24	57.1	451	7	US-11-039-398-2	Sequence 2, Appl1	329	23	54.8	51	7	US-11-000-463-834	Sequence 834, App
257	24	57.1	457	7	US-11-087-099-1034	Sequence 1034, App	330	23	54.8	95	7	US-11-098-686-11207	Sequence 11207, A
258	24	57.1	459	7	US-11-087-099-6435	Sequence 6435, App	331	23	54.8	97	7	US-11-096-568A-21114	Sequence 2114, App
259	24	57.1	462	7	US-11-096-568A-11834	Sequence 11834, A	332	23	54.8	99	6	US-10-860-649-3	Sequence 3, Appl1
260	24	57.1	465	6	US-10-878-556A-116	Sequence 116, App	333	23	54.8	100	5	US-09-995-493-104	Sequence 104, App
261	24	57.1	466	7	US-11-173-672-1	Sequence 1, Appl1	334	23	54.8	102	7	US-11-096-568A-4290	Sequence 4290, App
262	24	57.1	467	6	US-10-511-989-175	Sequence 175, App	335	23	54.8	107	7	US-11-096-568A-4289	Sequence 4289, App
263	24	57.1	471	7	US-11-087-099-1749	Sequence 1749, App	336	23	54.8	114	7	US-11-072-512-2659	Sequence 2659, App
264	24	57.1	472	7	US-11-087-099-1815	Sequence 1815, App	337	23	54.8	123	7	US-11-087-099-3634	Sequence 3634, App
265	24	57.1	475	7	US-11-096-568A-23355	Sequence 23355, A	338	23	54.8	127	7	US-11-096-568A-34144	Sequence 34144, A
266	24	57.1	485	7	US-11-043-889-52	Sequence 52, Appl	339	23	54.8	133	7	US-11-176-830-483	Sequence 483, App
267	24	57.1	485	7	US-11-096-568A-7902	Sequence 7902, App	340	23	54.8	133	7	US-11-087-099-2707	Sequence 2707, App
268	24	57.1	486	7	US-11-039-398-6	Sequence 6, Appl1	341	23	54.8	135	7	US-11-087-099-698	Sequence 698, App
269	24	57.1	487	7	US-11-087-099-6974	Sequence 6974, App	342	23	54.8	137	7	US-11-096-568A-23066	Sequence 23066, A
270	24	57.1	489	7	US-11-087-099-2123	Sequence 2123, App	343	23	54.8	140	7	US-11-087-099-2015	Sequence 2015, App
271	24	57.1	498	7	US-11-087-099-12124	Sequence 12124, A	344	23	54.8	142	7	US-11-055-822-64	Sequence 64, Appl
272	24	57.1	498	7	US-11-096-568A-7901	Sequence 7901, App	345	23	54.8	143	7	US-11-156-084-89	Sequence 89, Appl
273	24	57.1	499	7	US-11-087-099-10769	Sequence 10769, A	346	23	54.8	159	7	US-11-096-568A-21113	Sequence 21113, App
274	24	57.1	500	7	US-11-087-099-11361	Sequence 11361, A	347	23	54.8	152	7	US-11-098-686-10216	Sequence 10216, A
275	24	57.1	500	7	US-11-096-568A-7900	Sequence 7900, App	348	23	54.8	157	7	US-11-087-099-8660	Sequence 8660, App
276	24	57.1	501	7	US-11-087-099-1586	Sequence 1586, App	349	23	54.8	160	6	US-10-793-626-3144	Sequence 3144, App
277	24	57.1	505	7	US-11-087-099-6925	Sequence 6925, App	350	23	54.8	164	7	US-11-072-512-2900	Sequence 2900, App
278	24	57.1	506	7	US-11-096-568A-29682	Sequence 29682, A	351	23	54.8	167	7	US-11-098-686-10956	Sequence 10956, A
279	24	57.1	513	6	US-10-467-657-5464	Sequence 5464, App	352	23	54.8	170	7	US-11-087-099-4479	Sequence 4479, App
280	24	57.1	517	7	US-11-072-512-2679	Sequence 2679, App	353	23	54.8	175	7	US-11-087-099-3913	Sequence 3913, App
281	24	57.1	523	7	US-11-072-512-2046	Sequence 2046, App	354	23	54.8	177	7	US-11-156-084-90	Sequence 90, Appl
282	24	57.1	534	7	US-11-077-386-25	Sequence 25, Appl	355	23	54.8	177	7	US-11-087-099-8809	Sequence 8809, App
283	24	57.1	535	6	US-10-493-909-84	Sequence 84, Appl	356	23	54.8	178	7	US-11-096-568A-33521	Sequence 3521, App
284	24	57.1	546	7	US-11-096-568A-31804	Sequence 31804, A	357	23	54.8	179	7	US-11-098-686-110904	Sequence 110904, A
285	24	57.1	554	7	US-11-096-568A-29681	Sequence 29681, A	358	23	54.8	182	7	US-11-096-568A-11381	Sequence 11381, A
286	24	57.1	567	7	US-11-096-568A-31803	Sequence 31803, A	359	23	54.8	185	7	US-11-072-512-1972	Sequence 1972, App
287	24	57.1	572	7	US-11-096-568A-29680	Sequence 29680, A	360	23	54.8	185	7	US-11-087-099-8331	Sequence 8331, App
288	24	57.1	591	6	US-10-467-657-718	Sequence 718, App	361	23	54.8	192	7	US-11-087-099-9855	Sequence 9855, App
289	24	57.1	596	7	US-11-096-568A-31802	Sequence 31802, A	362	23	54.8	193	6	US-10-467-657-674	Sequence 674, App
290	24	57.1	608	7	US-11-109-157A-11	Sequence 11, Appl	363	23	54.8	195	6	US-10-860-649-1	Sequence 1, Appl1
291	24	57.1	619	7	US-11-109-157A-42	Sequence 42, Appl	364	23	54.8	197	7	US-11-087-099-4852	Sequence 4852, App
292	24	57.1	701	7	US-11-055-822-1066	Sequence 1066, App	365	23	54.8	197	7	US-11-087-099-6108	Sequence 6108, App
293	24	57.1	711	6	US-10-821-234-1017	Sequence 1017, App	366	23	54.8	198	7	US-11-082-389-302	Sequence 302, App
294	24	57.1	718	7	US-11-147-109-6	Sequence 6, Appl1	367	23	54.8	202	7	US-11-096-568A-11380	Sequence 11380, A
295	24	57.1	741	7	US-11-052-554A-161	Sequence 161, App	368	23	54.8	210	6	US-10-821-234-1042	Sequence 1042, App
296	24	57.1	743	7	US-11-072-512-2340	Sequence 2340, App	369	23	54.8	211	6	US-10-981-873-41	Sequence 41, Appl
297	24	57.1	759	7	US-11-096-568A-29706	Sequence 29706, A	370	23	54.8	212	7	US-11-096-568A-20902	Sequence 20902, App
298	24	57.1	764	7	US-11-096-568A-29705	Sequence 29705, A	371	23	54.8	216	7	US-11-096-568A-31555	Sequence 31555, A
299	24	57.1	767	7	US-11-096-568A-29704	Sequence 29704, A	372	23	54.8	221	7	US-11-087-099-2633	Sequence 2633, App
300	24	57.1	778	7	US-11-087-099-1345	Sequence 1345, App	373	23	54.8	225	6	US-10-467-657-8466	Sequence 8466, App
301	24	57.1	838	7	US-11-072-512-2819	Sequence 2819, App	374	23	54.8	225	7	US-11-096-568A-5771	Sequence 5771, App
302	24	57.1	871	7	US-11-109-157A-10	Sequence 10, Appl	375	23	54.8	235	6	US-10-453-372-784	Sequence 784, App
303	24	57.1	1026	7	US-11-169-041-205	Sequence 205, App	376	23	54.8	240	7	US-11-098-686-10436	Sequence 10436, A
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305	24	57.1	1210	6	US-10-624-932-26	Sequence 26, Appl	378	23	54.8	243	7	US-11-096-568A-29161	Sequence 29161, A
306	24	57.1	1213	7	US-11-039-398-14	Sequence 14, Appl	379	23	54.8	245	7	US-11-096-568A-19534	Sequence 19534, A
307	24	57.1	1216	7	US-11-039-398-12	Sequence 12, Appl	380	23	54.8	245	7	US-11-096-568A-229036	Sequence 229036, A
308	24	57.1	1219	7	US-11-039-398-10	Sequence 10, Appl	381	23	54.8	257	7	US-11-087-099-3858	Sequence 3858, App
309	24	57.1	1222	7	US-11-039-398-8	Sequence 8, Appl1	382	23	54.8	260	7	US-11-096-568A-29035	Sequence 29035, A
310	24	57.1	1232	7	US-11-039-398-18	Sequence 18, Appl	383	23	54.8	267	7	US-11-072-512-2151	Sequence 2151, App
311	24	57.1	1235	7	US-11-039-398-16	Sequence 16, Appl	384	23	54.8	263	7	US-11-087-099-2466	Sequence 2466, App
312	24	57.1	1252	7	US-11-039-398-20	Sequence 20, Appl	385	23	54.8	263	7	US-11-087-099-5024	Sequence 5024, App
313	24	57.1	1329	7	US-11-052-554A-136	Sequence 136, App	386	23	54.8	263	7	US-11-087-099-6793	Sequence 6793, App
314	24	57.1	1329	7	US-11-087-099-682	Sequence 882, App	387	23	54.8	263	7	US-11-087-099-6947	Sequence 6947, App
315	24	57.1	1342	6	US-10-770-726-63	Sequence 63, Appl	388	23	54.8	263	7	US-11-087-099-9650	Sequence 9650, App
316	24	57.1	1342	7	US-11-113-202-12	Sequence 12, Appl	389	23	54.8	263	7	US-11-087-099-9997	Sequence 9997, App
317	24	57.1	1342	7	US-11-113-202-12	Sequence 12, Appl	390	23	54.8	263	7	US-11-087-099-9997	Sequence 9997, App

391	23	54.8	263	7	US-11-087-099-10087	Sequence 10087, A	464	23	54.8	400	7	US-11-087-099-2943	Sequence 2943, Ap
392	23	54.8	263	7	US-11-087-099-10189	Sequence 10189, A	465	23	54.8	405	6	US-10-793-626-2962	Sequence 2962, Ap
393	23	54.8	263	7	US-11-087-099-11195	Sequence 11195, A	466	23	54.8	418	7	US-11-225-709-41	Sequence 41, Appl
394	23	54.8	263	7	US-11-087-099-11573	Sequence 11573, A	467	23	54.8	419	6	US-10-330-773-746	Sequence 746, Appl
395	23	54.8	263	7	US-11-087-099-11573	Sequence 11573, A	468	23	54.8	419	6	US-11-040-218-87	Sequence 87, Appl
396	23	54.8	264	7	US-11-096-568A-29160	Sequence 29160, A	469	23	54.8	420	7	US-11-188-353-8	Sequence 8, Appl
397	23	54.8	264	7	US-11-096-568A-32189	Sequence 32189, A	470	23	54.8	425	7	US-11-087-099-6550	Sequence 6530, Ap
398	23	54.8	266	7	US-11-087-099-11483	Sequence 11483, A	471	23	54.8	429	7	US-11-087-099-2168	Sequence 2168, Ap
399	23	54.8	271	6	US-11-087-099-5704	Sequence 5704, Ap	472	23	54.8	429	7	US-11-087-099-3487	Sequence 3487, Ap
400	23	54.8	271	6	US-10-467-657-7690	Sequence 7690, Ap	473	23	54.8	429	7	US-11-087-099-4435	Sequence 4435, Ap
401	23	54.8	273	7	US-11-087-099-11050	Sequence 11050, A	474	23	54.8	429	7	US-11-087-099-8137	Sequence 8137, Ap
402	23	54.8	273	7	US-11-096-568A-20901	Sequence 20901, A	475	23	54.8	433	7	US-11-040-218-83	Sequence 83, Appl
403	23	54.8	279	6	US-10-467-657-3232	Sequence 3232, Ap	476	23	54.8	433	7	US-11-040-218-89	Sequence 89, Appl
404	23	54.8	280	7	US-11-087-099-789	Sequence 789, App	477	23	54.8	434	7	US-11-087-099-3939	Sequence 3939, Ap
405	23	54.8	281	7	US-11-082-389-304	Sequence 304, App	478	23	54.8	437	7	US-11-096-568A-26003	Sequence 26003, A
406	23	54.8	281	7	US-11-087-099-6447	Sequence 6447, Ap	479	23	54.8	440	7	US-11-087-099-8921	Sequence 8921, Ap
407	23	54.8	284	6	US-10-453-372-790	Sequence 790, App	480	23	54.8	443	7	US-11-096-568A-33969	Sequence 33969, A
408	23	54.8	288	7	US-11-087-099-11574	Sequence 11574, A	481	23	54.8	445	6	US-10-821-234-1606	Sequence 1606, Ap
409	23	54.8	290	6	US-10-453-372-776	Sequence 776, App	482	23	54.8	447	6	US-10-793-626-2900	Sequence 2900, Ap
410	23	54.8	290	7	US-11-096-568A-6950	Sequence 6950, Ap	483	23	54.8	447	7	US-11-040-218-85	Sequence 85, Appl
411	23	54.8	293	7	US-11-098-686-10955	Sequence 10955, A	484	23	54.8	448	7	US-11-096-568A-24375	Sequence 24375, A
412	23	54.8	294	7	US-11-087-099-2735	Sequence 2735, Ap	485	23	54.8	449	7	US-11-087-099-5579	Sequence 5579, Ap
413	23	54.8	296	6	US-10-793-626-866	Sequence 866, App	486	23	54.8	450	6	US-10-793-626-3236	Sequence 3226, Ap
414	23	54.8	296	7	US-11-087-099-12429	Sequence 12429, A	487	23	54.8	450	7	US-11-096-568A-6163	Sequence 6163, Ap
415	23	54.8	298	7	US-11-074-176-6	Sequence 6, Appl	488	23	54.8	452	7	US-11-087-099-1930	Sequence 1930, Ap
416	23	54.8	302	6	US-10-453-372-780	Sequence 780, App	489	23	54.8	452	7	US-11-087-099-9683	Sequence 9683, Ap
417	23	54.8	302	6	US-10-453-372-782	Sequence 782, App	490	23	54.8	452	7	US-11-087-099-10068	Sequence 10068, A
418	23	54.8	302	6	US-10-453-372-788	Sequence 788, App	491	23	54.8	454	7	US-11-087-099-4532	Sequence 4532, A
419	23	54.8	302	6	US-10-453-372-792	Sequence 792, App	492	23	54.8	454	7	US-11-087-099-10414	Sequence 10414, A
420	23	54.8	306	6	US-10-467-657-2476	Sequence 2476, Ap	493	23	54.8	454	7	US-11-087-099-12151	Sequence 12151, A
421	23	54.8	307	7	US-11-096-568A-11379	Sequence 11379, A	494	23	54.8	456	7	US-11-069-642-8	Sequence 8, Appl
422	23	54.8	309	6	US-10-453-372-778	Sequence 778, App	495	23	54.8	456	7	US-11-087-099-3625	Sequence 3625, Ap
423	23	54.8	311	7	US-11-087-099-9942	Sequence 9942, Ap	496	23	54.8	458	6	US-10-453-372-786	Sequence 786, App
424	23	54.8	311	7	US-11-096-568A-29034	Sequence 29034, A	497	23	54.8	458	7	US-11-087-099-5823	Sequence 5823, Ap
425	23	54.8	321	7	US-11-098-686-10164	Sequence 10164, A	498	23	54.8	459	7	US-11-087-099-8941	Sequence 8941, Ap
426	23	54.8	324	7	US-11-096-568A-20900	Sequence 20900, A	499	23	54.8	460	7	US-11-096-568A-6162	Sequence 6162, Ap
427	23	54.8	325	7	US-11-052-554A-356	Sequence 356, App	500	23	54.8	462	7	US-11-087-099-2830	Sequence 2830, Ap
428	23	54.8	326	7	US-11-037-243-105	Sequence 105, App	501	23	54.8	462	7	US-11-087-099-3504	Sequence 3504, Ap
429	23	54.8	327	7	US-11-072-512-2021	Sequence 2021, Ap	502	23	54.8	462	7	US-11-087-099-11772	Sequence 11772, A
430	23	54.8	327	7	US-11-096-568A-17217	Sequence 17217, A	503	23	54.8	464	6	US-10-453-372-772	Sequence 772, App
431	23	54.8	335	7	US-11-098-686-10265	Sequence 10265, A	504	23	54.8	464	6	US-10-453-372-774	Sequence 774, App
432	23	54.8	337	7	US-11-087-099-9249	Sequence 9249, Ap	505	23	54.8	464	7	US-11-096-568A-6022	Sequence 6022, Ap
433	23	54.8	338	7	US-11-096-568A-29159	Sequence 29159, A	506	23	54.8	466	7	US-11-087-099-7940	Sequence 7940, Ap
434	23	54.8	340	7	US-11-087-099-10476	Sequence 10476, A	507	23	54.8	466	7	US-11-087-099-7940	Sequence 7940, Ap
435	23	54.8	342	7	US-11-098-686-10521	Sequence 10521, A	508	23	54.8	467	7	US-11-188-353-2	Sequence 2, Appl
436	23	54.8	342	7	US-11-096-568A-5770	Sequence 5770, Ap	509	23	54.8	468	7	US-11-096-568A-6021	Sequence 6021, Ap
437	23	54.8	342	7	US-11-096-568A-28730	Sequence 28730, A	510	23	54.8	471	7	US-11-096-568A-26002	Sequence 26002, A
438	23	54.8	342	7	US-11-096-568A-32188	Sequence 32188, A	511	23	54.8	473	6	US-10-453-372-770	Sequence 770, App
439	23	54.8	344	7	US-11-096-568A-17216	Sequence 17216, A	512	23	54.8	475	7	US-11-087-099-1092	Sequence 1092, Ap
440	23	54.8	345	7	US-11-188-353-10	Sequence 10, Appl	513	23	54.8	475	7	US-11-087-099-1613	Sequence 1613, Ap
441	23	54.8	346	7	US-11-096-568A-17215	Sequence 17215, A	514	23	54.8	475	7	US-11-087-099-10530	Sequence 10530, A
442	23	54.8	348	7	US-11-096-568A-28729	Sequence 28729, A	515	23	54.8	480	6	US-10-336-263A-8	Sequence 8, Appl
443	23	54.8	351	7	US-11-072-175-236	Sequence 236, App	516	23	54.8	480	7	US-11-087-099-852	Sequence 8523, Ap
444	23	54.8	351	7	US-11-096-568A-5769	Sequence 5769, App	517	23	54.8	480	7	US-11-096-568A-8022	Sequence 8022, Ap
445	23	54.8	353	6	US-10-467-657-3964	Sequence 3964, Ap	518	23	54.8	481	7	US-11-087-099-5190	Sequence 5190, Ap
446	23	54.8	355	7	US-11-098-686-11073	Sequence 11073, A	519	23	54.8	481	7	US-11-087-099-8888	Sequence 8888, Ap
447	23	54.8	356	7	US-11-096-568A-8023	Sequence 8023, Ap	520	23	54.8	485	7	US-11-087-099-3398	Sequence 3398, App
448	23	54.8	361	7	US-11-129-143-108	Sequence 108, App	521	23	54.8	487	7	US-11-087-099-55900	Sequence 5590, Ap
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453	23	54.8	376	6	US-10-485-517-218	Sequence 218, App	526	23	54.8	495	7	US-11-052-554A-69	Sequence 69, Appl
454	23	54.8	378	7	US-11-096-568A-31553	Sequence 31553, A	527	23	54.8	496	7	US-11-087-099-7743	Sequence 7743, Ap
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457	23	54.8	384	7	US-11-096-568A-28430	Sequence 28430, A	530	23	54.8	496	7	US-11-087-099-12002	Sequence 12002, A
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459	23	54.8	389	7	US-11-096-568A-26004	Sequence 26004, A	532	23	54.8	502	7	US-11-112-824-34	Sequence 34, Appl
460	23	54.8	390	7	US-11-194-246-288	Sequence 288, App	533	23	54.8	502	7	US-11-112-824-35	Sequence 35, Appl
461	23	54.8	391	7	US-11-127-877-52	Sequence 52, Appl	534	23	54.8	502	7	US-11-112-824-36	Sequence 36, Appl
462	23	54.8	391	7	US-11-096-568A-19532	Sequence 19532, A	535	23	54.8	502	7	US-11-112-824-37	Sequence 37, Appl
463	23	54.8	392	7	US-11-188-353-4	Sequence 4, Appl	536	23	54.8	502	7	US-11-112-824-38	Sequence 38, Appl

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548	23	54.8	530	6	US-10-330-773-749	Sequence 749, App	621	23	54.8	1234	6	US-10-467-657-4224	Sequence 4224, Ap
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552	23	54.8	536	6	US-10-821-231C-1	Sequence 1, Appl1	625	23	54.8	1431	6	US-10-501-035-220	Sequence 220, App
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566	23	54.8	550	7	US-11-087-099-11870	Sequence 11870, A	639	23	54.8	2715	7	US-11-096-051-2	Sequence 2, Appl1
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571	23	54.8	621	7	US-11-096-568A-22529	Sequence 2229, App	644	23	54.8	5935	6	US-10-995-561-776	Sequence 776, App
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573	23	54.8	630	7	US-11-096-568A-29050	Sequence 29050, A	646	22	52.4	15	7	US-11-004-399-945	Sequence 945, App
574	23	54.8	638	6	US-10-995-561-536	Sequence 536, App	647	22	52.4	21	7	US-11-089-064-1182	Sequence 1182, Ap
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576	23	54.8	638	7	US-11-054-281-111	Sequence 111, Appl	649	22	52.4	54	7	US-11-004-399-2050	Sequence 2050, Ap
577	23	54.8	638	7	US-11-054-281-112	Sequence 112, App	650	22	52.4	61	7	US-11-183-567A-10	Sequence 10, Appl
578	23	54.8	638	7	US-11-087-099-11176	Sequence 1176, App	651	22	52.4	64	7	US-11-174-996A-89	Sequence 89, Appl
579	23	54.8	643	7	US-11-054-281-113	Sequence 113, App	652	22	52.4	96	7	US-11-174-996A-89	Sequence 89, Appl
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583	23	54.8	654	6	US-10-770-726-82	Sequence 82, Appl	656	22	52.4	103	7	US-11-072-512-2352	Sequence 2352, App
584	23	54.8	677	7	US-11-010-239-48	Sequence 48, Appl	657	22	52.4	103	7	US-11-096-568A-27251	Sequence 27251, A
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586	23	54.8	688	7	US-11-098-686-10843	Sequence 10843, A	659	22	52.4	109	6	US-10-467-657-7804	Sequence 7804, Ap
587	23	54.8	690	6	US-10-131-826A-306	Sequence 306, App	660	22	52.4	111	7	US-11-087-099-596	Sequence 596, App
588	23	54.8	690	6	US-10-973-115B-306	Sequence 306, App	661	22	52.4	114	7	US-11-096-568A-27250	Sequence 27250, A
589	23	54.8	718	6	US-10-467-962B-29	Sequence 29, Appl	662	22	52.4	116	7	US-11-120-308-128	Sequence 128, App
590	23	54.8	718	6	US-10-467-962B-65	Sequence 65, Appl	663	22	52.4	119	6	US-10-793-626-2406	Sequence 2406, App
591	23	54.8	735	7	US-11-096-568A-29048	Sequence 29048, A	664	22	52.4	125	7	US-11-096-568A-33322	Sequence 33322, A
592	23	54.8	735	6	US-10-467-657-6990	Sequence 6990, Ap	665	22	52.4	129	6	US-10-793-626-958	Sequence 958, App
593	23	54.8	760	7	US-11-087-099-3039	Sequence 3039, Ap	666	22	52.4	120	6	US-10-793-626-1444	Sequence 1444, Ap
594	23	54.8	766	7	US-11-144-985-9	Sequence 9, Appl1	667	22	52.4	130	6	US-10-793-626-2036	Sequence 2036, Ap
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596	23	54.8	793	7	US-11-087-099-6000	Sequence 6000, Ap	669	22	52.4	137	6	US-11-120-308-132	Sequence 132, Appl
597	23	54.8	793	7	US-11-142-700-18	Sequence 18, Appl	670	22	52.4	138	6	US-10-667-295-21	Sequence 21, Appl
598	23	54.8	813	6	US-10-877-346-45	Sequence 45, Appl	671	22	52.4	133	7	US-11-120-308-120	Sequence 120, Appl
599	23	54.8	839	7	US-11-087-099-2713	Sequence 2713, Ap	672	22	52.4	137	7	US-11-072-512-2157	Sequence 2157, Ap
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607	23	54.8	945	6	US-10-131-826A-146	Sequence 146, App	680	22	52.4	158	7	US-11-087-099-2976	Sequence 2976, Ap
608	23	54.8	945	6	US-10-973-115B-146	Sequence 146, App	681	22	52.4	160	6	US-10-508-263-110	Sequence 110, App
609	23	54.8	945	7	US-11-019-711-38	Sequence 38, Appl	682	22	52.4	161	7	US-11-096-568A-2183	Sequence 2183, Ap

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684	22	52.4	168	7	US-11-096-568A-33014	Sequence 33014, A	757	22	52.4	276	6	US-10-055-877-115	Sequence 115, App
685	22	52.4	169	6	US-10-504-879-6	Sequence 6, App11	758	22	52.4	276	6	US-10-793-626-2208	Sequence 2208, App
686	22	52.4	169	7	US-11-096-568A-2182	Sequence 2182, Ap	759	22	52.4	278	7	US-11-096-568A-2808	Sequence 2808, Ap
687	22	52.4	179	6	US-10-504-879-8	Sequence 8, App11	760	22	52.4	283	7	US-11-186-284-99	Sequence 99, App1
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689	22	52.4	182	7	US-11-096-568A-29779	Sequence 29779, A	762	22	52.4	285	6	US-10-504-879-20	Sequence 20, App1
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691	22	52.4	185	7	US-11-096-568A-3426	Sequence 3426, Ap	764	22	52.4	290	6	US-10-793-626-758	Sequence 758, App
692	22	52.4	185	7	US-11-096-568A-33013	Sequence 33013, A	765	22	52.4	294	7	US-11-074-176-34	Sequence 34, App1
693	22	52.4	187	6	US-10-667-295-72	Sequence 72, App1	766	22	52.4	295	7	US-11-087-099-6160	Sequence 6160, Ap
694	22	52.4	187	6	US-10-980-388-71	Sequence 71, App1	767	22	52.4	295	7	US-11-087-099-1686	Sequence 1686, Ap
695	22	52.4	188	7	US-11-234-786-592	Sequence 592, App	768	22	52.4	296	7	US-11-087-099-9314	Sequence 9314, Ap
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697	22	52.4	196	6	US-10-995-561-579	Sequence 579, App	770	22	52.4	306	7	US-11-096-568A-30296	Sequence 30296, A
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701	22	52.4	206	7	US-11-036-797-34	Sequence 34, App1	774	22	52.4	311	7	US-11-000-463-345	Sequence 345, App
702	22	52.4	207	6	US-10-667-295-20	Sequence 20, App1	775	22	52.4	311	7	US-11-000-463-817	Sequence 817, App
703	22	52.4	210	7	US-11-096-568A-23381	Sequence 23381, A	776	22	52.4	311	7	US-11-000-463-829	Sequence 829, App
704	22	52.4	211	6	US-10-667-295-71	Sequence 71, App1	777	22	52.4	311	7	US-11-096-568A-4089	Sequence 4089, Ap
705	22	52.4	212	6	US-10-793-626-1628	Sequence 1628, Ap	778	22	52.4	312	7	US-11-087-099-5023	Sequence 5023, Ap
706	22	52.4	212	6	US-10-793-626-1966	Sequence 1966, Ap	779	22	52.4	313	7	US-11-087-099-12056	Sequence 12056, A
707	22	52.4	212	6	US-11-096-568A-23380	Sequence 23380, A	780	22	52.4	313	7	US-11-096-568A-22378	Sequence 22378, A
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710	22	52.4	217	6	US-10-330-773-207	Sequence 207, App	783	22	52.4	316	7	US-11-096-568A-2810	Sequence 2810, Ap
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712	22	52.4	219	6	US-10-995-561-580	Sequence 580, App	785	22	52.4	325	7	US-11-087-099-2148	Sequence 2148, Ap
713	22	52.4	219	7	US-11-072-175-150	Sequence 150, App	786	22	52.4	327	7	US-11-087-099-3036	Sequence 3036, Ap
714	22	52.4	221	6	US-10-504-879-16	Sequence 16, App1	787	22	52.4	328	7	US-11-087-099-6030	Sequence 6030, Ap
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726	22	52.4	239	6	US-10-980-388-78	Sequence 78, App1	799	22	52.4	340	6	US-10-980-388-117	Sequence 117, App
727	22	52.4	241	7	US-11-096-568A-33012	Sequence 33012, A	800	22	52.4	340	7	US-11-127-877-53	Sequence 53, App1
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; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; TITLE OF INVENTION: making the same
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
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; TITLE OF INVENTION: making the same
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
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; LENGTH: 344
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; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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; TITLE OF INVENTION: making the same
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
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; TITLE OF INVENTION: making the same
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
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; SEQ ID NO 13  
; LENGTH: 386  
; TYPE: PRT  
; ORGANISM: Zea mays  
; NAME/KEY: misc\_feature  
; LOCATION: (40)..(40)  
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (102)..(102)  
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
US-11-060-029-13

Query Match 88.1%; Score 37; DB 7; Length 386;  
Best Local Similarity 88.9%; Pred. No. 2.4;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
DB 196 NVLMANNII 204

RESULT 6  
US-11-060-029-4  
; Sequence 4, Application US/11060029  
; Publication No. US20050268358A1  
; GENERAL INFORMATION:  
; APPLICANT: CropDesign N.V.  
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
; FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 4  
; LENGTH: 413  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
US-11-060-029-4

Query Match 88.1%; Score 37; DB 7; Length 413;  
Best Local Similarity 88.9%; Pred. No. 2.6;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
DB 180 NVLMANNII 168

RESULT 7  
US-11-060-029-17  
; Sequence 17, Application US/11060029  
; Publication No. US20050268358A1  
; GENERAL INFORMATION:  
; APPLICANT: CropDesign N.V.  
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
; FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 17  
; LENGTH: 379  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
US-11-060-029-17

FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; CURRENT FILING DATE: 2005-02-17  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 17  
; LENGTH: 379  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
US-11-060-029-17

Query Match 85.7%; Score 36; DB 7; Length 379;  
Best Local Similarity 88.9%; Pred. No. 3.7;  
Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
DB 189 NVLMANNII 197

RESULT 8  
US-11-096-568A-29200  
; Sequence 29200, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nikolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 29200  
; LENGTH: 282  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
; NAME/KEY: misc\_feature  
; LOCATION: (1)..(282)  
; OTHER INFORMATION: Ceres Seq. ID no. 4585254  
US-11-096-568A-29200

Query Match 81.0%; Score 34; DB 7; Length 282;  
Best Local Similarity 66.7%; Pred. No. 6.8;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
DB 70 NVLMANNII 78

RESULT 9  
US-11-060-029-23  
; Sequence 23, Application US/11060029  
; Publication No. US20050268358A1  
; GENERAL INFORMATION:  
; APPLICANT: CropDesign N.V.  
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
; FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 23  
; LENGTH: 353  
; TYPE: PRT  
; ORGANISM: Populus tremula x Populus tremuloides  
US-11-060-029-23

Query Match 81.0%; Score 34; DB 7; Length 353;  
Best Local Similarity 77.8%; Pred. No. 8.8;  
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMMNNII 9  
 |||:|:|  
 Db 163 NVLMMALDII 171

RESULT 10  
 US-11-096-568A-29199

```

; Sequence 29199, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 29199
; LENGTH: 369
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(369)
; OTHER INFORMATION: Ceres Seq. ID no. 4585253
US-11-096-568A-29199

```

Query Match 81.0%; Score 34; DB 7; Length 369;  
 Best Local Similarity 66.7%; Pred. No. 9.3;  
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMMNNII 9  
 |||:|:|  
 Db 157 NVLMMALDII 165

RESULT 11

```

US-11-096-568A-12954
; Sequence 12954, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 12954
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Triticum aestivum
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(344)
; OTHER INFORMATION: Ceres Seq. ID no. 14313553
US-11-096-568A-12954

```

Query Match 78.6%; Score 33; DB 7; Length 344;  
 Best Local Similarity 66.7%; Pred. No. 14;  
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMMNNII 9  
 |||:|:|  
 Db 142 NVLMMALDII 150

RESULT 12

```

US-11-096-568A-12953
; Sequence 12953, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 12953
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Triticum aestivum
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(351)
; OTHER INFORMATION: Ceres Seq. ID no. 14313552
US-11-096-568A-12953

```

Query Match 78.6%; Score 33; DB 7; Length 351;  
 Best Local Similarity 66.7%; Pred. No. 14;  
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMMNNII 9  
 |||:|:|  
 Db 149 NVLMMALDII 157

RESULT 13

```

US-11-096-568A-2816
; Sequence 2816, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 2816
; LENGTH: 384
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(384)
; OTHER INFORMATION: Ceres Seq. ID no. 12610325
US-11-096-568A-2816

```

Query Match 73.8%; Score 31; DB 7; Length 384;  
 Best Local Similarity 66.7%; Pred. No. 40;  
 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMMNNII 9  
 |||:|:|  
 Db 213 NVLMMALDII 221

RESULT 14

```

US-11-096-568A-2817
; Sequence 2817, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 2817
; LENGTH: 384
; TYPE: PRT
; ORGANISM: Glycine max

```

FEATURE:  
NAME/KEY: misc.feature  
LOCATION: (1)..(384)  
OTHER INFORMATION: Ceres Seq. ID no. 16625362  
US-11-096-568A-2817

Query Match 73.8%; Score 31; DB 7; Length 384;  
Best Local Similarity 66.7%; Pred. No. 40;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NVLMANNII 9  
Db 213 NVLSSMWLI 221

RESULT 15  
US-11-096-568A-2815  
Sequence 2815, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
FILE REFERENCE: 2750-1592PUS2  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 2815  
LENGTH: 385  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: misc.feature  
LOCATION: (1)..(385)  
OTHER INFORMATION: Ceres Seq. ID no. 12610324  
US-11-096-568A-2815

Query Match 73.8%; Score 31; DB 7; Length 385;  
Best Local Similarity 66.7%; Pred. No. 40;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NVLMANNII 9  
Db 214 NVLSSMWLI 222

RESULT 16  
US-10-485-517-347  
Sequence 347, Application US/10485517  
Publication No. US20050256299A1  
GENERAL INFORMATION:  
APPLICANT: University of Sheffield  
APPLICANT: Biosynex Incorporated  
APPLICANT: Foster, Simon  
TITLE OF INVENTION: Antigenic Polypeptides  
FILE REFERENCE: P100629W0  
CURRENT APPLICATION NUMBER: US/10/485,517  
CURRENT FILING DATE: 2004-02-02  
PRIOR APPLICATION NUMBER: GB 0118825.9  
PRIOR FILING DATE: 2001-08-02  
PRIOR APPLICATION NUMBER: GB 0200349.9  
PRIOR FILING DATE: 2002-01-09  
NUMBER OF SEQ ID NOS: 424  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 347  
LENGTH: 275  
TYPE: PRT  
ORGANISM: Staphylococcus aureus  
US-10-485-517-347

Query Match 69.0%; Score 29; DB 6; Length 275;  
Best Local Similarity 85.7%; Pred. No. 70;

Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
Qy 2 NVLMANNI 8  
Db 236 NVLMANNI 242

RESULT 17  
US-11-098-686-11193  
Sequence 11193, Application US/11098686  
Publication No. US20060024696A1  
GENERAL INFORMATION:  
APPLICANT: Kapur, Vivek and Gebhart, Connie J.  
TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES  
FILE REFERENCE: 09531-128001  
CURRENT APPLICATION NUMBER: US/11/098,686  
CURRENT FILING DATE: 2005-04-04  
PRIOR APPLICATION NUMBER: PCT/US03/31318  
PRIOR FILING DATE: 2003-10-01  
PRIOR APPLICATION NUMBER: US 60/416,395  
PRIOR FILING DATE: 2002-10-04  
NUMBER OF SEQ ID NOS: 11433  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 11193  
LENGTH: 364  
TYPE: PRT  
ORGANISM: Lawsonia intracellularis  
US-11-098-686-11193

Query Match 69.0%; Score 29; DB 7; Length 364;  
Best Local Similarity 66.7%; Pred. No. 97;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NVLMANNII 9  
Db 192 NVLQAMHII 200

RESULT 18  
US-11-096-568A-3180  
Sequence 3180, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 3180  
LENGTH: 432  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: misc.feature  
LOCATION: (1)..(432)  
OTHER INFORMATION: Ceres Seq. ID no. 14304361  
US-11-096-568A-3180

Query Match 69.0%; Score 29; DB 7; Length 432;  
Best Local Similarity 85.7%; Pred. No. 1.2e+02;  
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NVLMANN 7  
Db 204 NVLMANN 210

RESULT 19  
US-11-096-568A-3181  
Sequence 3181, Application US/11096568A

```
/ Publication No. US20060048240A1
/ GENERAL INFORMATION:
/ APPLICANT: Alexandrov, Nikolai et al.
/ TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
/ FILE REFERENCE: 2750-1592PUS2
/ CURRENT APPLICATION NUMBER: US/11/096,568A
/ NUMBER OF SEQ ID NOS: 34471
/ SEQ ID NO 3181
/ LENGTH: 432
/ TYPE: PRT
/ ORGANISM: Glycine max
/ FEATURE:
/ NAME/KEY: misc.feature
/ LOCATION: (1)..(432)
/ OTHER INFORMATION:
US-11-096-568A-3181

Query Match
Best Local Similarity 69.0%; Score 29; DB 7; Length 432;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANN 7
Db 204 NVLMANN 210

RESULT 20
US-11-096-568A-3179
/ Sequence 3179, Application US/11096568A
/ Publication No. US20060048240A1
/ GENERAL INFORMATION:
/ APPLICANT: Alexandrov, Nikolai et al.
/ TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
/ FILE REFERENCE: 2750-1592PUS2
/ CURRENT APPLICATION NUMBER: US/11/096,568A
/ CURRENT FILING DATE: 2005-04-01
/ NUMBER OF SEQ ID NOS: 34471
/ SEQ ID NO 3179
/ LENGTH: 455
/ TYPE: PRT
/ ORGANISM: Glycine max
/ FEATURE:
/ NAME/KEY: misc.feature
/ LOCATION: (1)..(455)
/ OTHER INFORMATION:
US-11-096-568A-3179

Query Match
Best Local Similarity 69.0%; Score 29; DB 7; Length 455;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANN 7
Db 227 NVLMANN 233

RESULT 21
US-11-096-568A-20252
/ Sequence 20252, Application US/11096568A
/ Publication No. US20060048240A1
/ GENERAL INFORMATION:
/ APPLICANT: Alexandrov, Nikolai et al.
/ TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
/ FILE REFERENCE: 2750-1592PUS2
/ CURRENT APPLICATION NUMBER: US/11/096,568A
/ CURRENT FILING DATE: 2005-04-01
/ NUMBER OF SEQ ID NOS: 34471
/ SEQ ID NO 20252
/ LENGTH: 207
```

```
/ TYPE: PRT
/ ORGANISM: Zea mays subsp. mays
/ FEATURE:
/ NAME/KEY: misc.feature
/ LOCATION: (1)..(207)
/ OTHER INFORMATION:
US-11-096-568A-20252

Query Match
Best Local Similarity 66.7%; Score 28; DB 7; Length 207;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANNII 9
Db 37 NVLSINLI 45

RESULT 22
US-11-096-568A-20251
/ Sequence 20251, Application US/11096568A
/ Publication No. US20060048240A1
/ GENERAL INFORMATION:
/ APPLICANT: Alexandrov, Nikolai et al.
/ TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
/ FILE REFERENCE: 2750-1592PUS2
/ CURRENT APPLICATION NUMBER: US/11/096,568A
/ CURRENT FILING DATE: 2005-04-01
/ NUMBER OF SEQ ID NOS: 34471
/ SEQ ID NO 20251
/ LENGTH: 278
/ TYPE: PRT
/ ORGANISM: Zea mays subsp. mays
/ FEATURE:
/ NAME/KEY: misc.feature
/ LOCATION: (1)..(278)
/ OTHER INFORMATION:
US-11-096-568A-20251

Query Match
Best Local Similarity 66.7%; Score 28; DB 7; Length 278;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANNII 9
Db 108 NVLSINLI 116

RESULT 23
US-11-096-568A-20250
/ Sequence 20250, Application US/11096568A
/ Publication No. US20060048240A1
/ GENERAL INFORMATION:
/ APPLICANT: Alexandrov, Nikolai et al.
/ TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
/ FILE REFERENCE: 2750-1592PUS2
/ CURRENT APPLICATION NUMBER: US/11/096,568A
/ CURRENT FILING DATE: 2005-04-01
/ NUMBER OF SEQ ID NOS: 34471
/ SEQ ID NO 20250
/ LENGTH: 287
/ TYPE: PRT
/ ORGANISM: Zea mays subsp. mays
/ FEATURE:
/ NAME/KEY: misc.feature
/ LOCATION: (1)..(287)
/ OTHER INFORMATION:
US-11-096-568A-20250

Query Match
Best Local Similarity 66.7%; Score 28; DB 7; Length 287;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
```

QY 1 NVLMANNII 9  
 |||:::|  
 Db 117 NVLSSIMLI 125

## RESULT 24

US-11-096-568A-18167  
 ; Sequence 18167, Application US/11096568A  
 ; Publication No. US20060048240A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Alexandrov, Nikolai et al.  
 ; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
 ; FILE REFERENCE: 2750-1592PUS2  
 ; CURRENT APPLICATION NUMBER: US/11/096,568A  
 ; CURRENT FILING DATE: 2005-04-01  
 ; NUMBER OF SEQ ID NOS: 34471  
 ; SEQ ID NO 18167  
 ; LENGTH: 425  
 ; TYPE: PRT  
 ; ORGANISM: Zea mays subsp. mays  
 ; FEATURE:  
 ; NAME/KEY: misc feature  
 ; LOCATION: (1)..(425)  
 ; OTHER INFORMATION: Ceres Seq. ID no. 12363306  
 US-11-096-568A-18168

Query Match 66.7%; Score 28; DB 7; Length 425;  
 Best Local Similarity 55.6%; Pred. No. 1.9e+02;  
 Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
 |||:::|  
 Db 239 NVLSSIMLI 247

## RESULT 25

US-11-096-568A-18167  
 ; Sequence 18167, Application US/11096568A  
 ; Publication No. US20060048240A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Alexandrov, Nikolai et al.  
 ; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
 ; FILE REFERENCE: 2750-1592PUS2  
 ; CURRENT APPLICATION NUMBER: US/11/096,568A  
 ; CURRENT FILING DATE: 2005-04-01  
 ; NUMBER OF SEQ ID NOS: 34471  
 ; SEQ ID NO 18167  
 ; LENGTH: 444  
 ; TYPE: PRT  
 ; ORGANISM: Zea mays subsp. mays  
 ; FEATURE:  
 ; NAME/KEY: misc feature  
 ; LOCATION: (1)..(444)  
 ; OTHER INFORMATION: Ceres Seq. ID no. 12363305  
 US-11-096-568A-18167

Query Match 66.7%; Score 28; DB 7; Length 444;  
 Best Local Similarity 55.6%; Pred. No. 2e+02;  
 Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
 |||:::|  
 Db 258 NVLSSIMLI 266

## RESULT 26

US-11-087-099-7122  
 ; Sequence 7122, Application US/11087099  
 ; Publication No. US20060041961A1  
 ; GENERAL INFORMATION:

; APPLICANT: Abad, Mark S. et al.  
 ; TITLE OF INVENTION: Genes and Uses for Plant Improvement  
 ; FILE REFERENCE: 38-21(53450)B EP  
 ; CURRENT APPLICATION NUMBER: US/11/087,099  
 ; CURRENT FILING DATE: 2005-03-22  
 ; NUMBER OF SEQ ID NOS: 12464  
 ; SEQ ID NO 7122  
 ; LENGTH: 446  
 ; TYPE: PRT  
 ; ORGANISM: Enterococcus faecium  
 US-11-087-099-7122

Query Match 66.7%; Score 28; DB 7; Length 446;  
 Best Local Similarity 50.0%; Pred. No. 2e+02;  
 Matches 4; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 2 VLMANNII 9  
 |||:::|  
 Db 135 ILMANNIV 142

## RESULT 27

US-11-087-099-2905  
 ; Sequence 2905, Application US/11087099  
 ; Publication No. US20060041961A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Abad, Mark S. et al.  
 ; TITLE OF INVENTION: Genes and Uses for Plant Improvement  
 ; FILE REFERENCE: 38-21(53450)B EP  
 ; CURRENT APPLICATION NUMBER: US/11/087,099  
 ; CURRENT FILING DATE: 2005-03-22  
 ; NUMBER OF SEQ ID NOS: 12464  
 ; SEQ ID NO 2905  
 ; LENGTH: 454  
 ; TYPE: PRT  
 ; ORGANISM: Pseudomonas syringae pv. tomato str. DC3000  
 US-11-087-099-2905

Query Match 66.7%; Score 28; DB 7; Length 454;  
 Best Local Similarity 62.5%; Pred. No. 2e+02;  
 Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 VLMANNII 9  
 |||:::|  
 Db 131 VFMANNIV 138

## RESULT 28

US-11-087-099-11213  
 ; Sequence 11213, Application US/11087099  
 ; Publication No. US20060041961A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Abad, Mark S. et al.  
 ; TITLE OF INVENTION: Genes and Uses for Plant Improvement  
 ; FILE REFERENCE: 38-21(53450)B EP  
 ; CURRENT APPLICATION NUMBER: US/11/087,099  
 ; CURRENT FILING DATE: 2005-03-22  
 ; NUMBER OF SEQ ID NOS: 12464  
 ; SEQ ID NO 11213  
 ; LENGTH: 469  
 ; TYPE: PRT  
 ; ORGANISM: Burkholderia pseudomallei  
 US-11-087-099-11213

Query Match 66.7%; Score 28; DB 7; Length 469;  
 Best Local Similarity 62.5%; Pred. No. 2.1e+02;  
 Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 VLMANNII 9  
 |||:::|  
 Db 146 VFMANNIV 153

```
RESULT 29
US-11-087-099-2696
; Sequence 2696, Application US/11087099
; Publication No. US20060041961A1
; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S. et al.
; TITLE OF INVENTION: Genes and Uses for Plant Improvement
; FILE REFERENCE: 38-21(53450)B EP
; CURRENT APPLICATION NUMBER: US/11/087,099
; CURRENT FILING DATE: 2005-03-22
; NUMBER OF SEQ ID NOS: 12464
; SEQ ID NO 2696
; LENGTH: 491
; TYPE: PRT
; ORGANISM: Zymomonas mobilis
US-11-087-099-2696

Query Match      66.7%; Score 28; DB 7; Length 491;
Best Local Similarity 62.5%; Pred. No. 2.2e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      2 VLMANNII 9
DB      156 VFMAINIV 163

RESULT 30
US-11-096-568A-18166
; Sequence 18166, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 18166
; LENGTH: 515
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; NAME/KEY: misc_feature
; LOCATION: (1)-(515)
; OTHER INFORMATION: Ceres Seq. ID no. 12363304
US-11-096-568A-18166

Query Match      66.7%; Score 28; DB 7; Length 515;
Best Local Similarity 55.6%; Pred. No. 2.3e+02;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      1 NVLMANNII 9
DB      329 NVLISNLI 337

RESULT 31
US-11-087-099-2332
; Sequence 2332, Application US/11087099
; Publication No. US20060041961A1
; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S. et al.
; TITLE OF INVENTION: Genes and Uses for Plant Improvement
; FILE REFERENCE: 38-21(53450)B EP
; CURRENT APPLICATION NUMBER: US/11/087,099
; CURRENT FILING DATE: 2005-03-22
; NUMBER OF SEQ ID NOS: 12464
; SEQ ID NO 2332
; LENGTH: 560
; TYPE: PRT
; ORGANISM: Pseudomonas syringae pv. syringae B728a
US-11-087-099-2332
```

```
Query Match      66.7%; Score 28; DB 7; Length 560;
Best Local Similarity 62.5%; Pred. No. 2.6e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      2 VLMANNII 9
DB      237 VFMAINIV 244

RESULT 32
US-10-895-064-2684
; Sequence 2684, Application US/10895064
; Publication No. US20060018923A1
; GENERAL INFORMATION:
; APPLICANT: PEIRIS, JOSEPH S.M.
; APPLICANT: YUEN, KWOK YUNG
; APPLICANT: POON, LIT MAN
; APPLICANT: GUAN, YI
; APPLICANT: CHAN, KWOK HUNG
; APPLICANT: NICHOLLS, JOHN M.
; APPLICANT: LEUNG, FREDERICK C.
; TITLE OF INVENTION: A NOVEL HUMAN VIRUS CAUSING RESPIRATORY TRACT INFECTION AND USES THEREOF
; FILE REFERENCE: V0690.0031
; CURRENT APPLICATION NUMBER: US/10/895,064
; CURRENT FILING DATE: 2004-07-21
; NUMBER OF SEQ ID NOS: 2918
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2684
; LENGTH: 58
; TYPE: PRT
; ORGANISM: Corononavirns-HKU1
US-10-895-064-2684

Query Match      64.3%; Score 27; DB 6; Length 58;
Best Local Similarity 66.7%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      1 NVLMANNII 9
DB      23 NVLISNII 31

RESULT 33
US-11-129-741-2684
; Sequence 2684, Application US/11129741
; Publication No. US20060034853A1
; GENERAL INFORMATION:
; APPLICANT: YUEN, KWOK YUNG
; APPLICANT: WOO, CHIU YAT PATRICK
; APPLICANT: LAU, KAR PUI SUSANNA
; APPLICANT: CHAN, KWOK HUNG
; APPLICANT: POON, LIT MAN
; APPLICANT: PEIRIS, JOSEPH S.M.
; APPLICANT: GUAN, YI
; TITLE OF INVENTION: A NOVEL HUMAN VIRUS CAUSING RESPIRATORY TRACT INFECTION AND USES THEREOF
; FILE REFERENCE: V0690.0044
; CURRENT APPLICATION NUMBER: US/11/129,741
; CURRENT FILING DATE: 2005-05-16
; PRIOR APPLICATION NUMBER: 10/895,064
; PRIOR FILING DATE: 2004-07-21
; NUMBER OF SEQ ID NOS: 4257
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2684
; LENGTH: 58
; TYPE: PRT
; ORGANISM: Corononavirns-HKU1
US-11-129-741-2684

Query Match      64.3%; Score 27; DB 7; Length 58;
Best Local Similarity 66.7%; Pred. No. 29;
```

Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 NVLMMNNII 9  
| | | | |  
Db 23 NVLISNII 31

RESULT 34  
US-10-793-626-2152  
; Sequence 2152, Application US/10793626  
; Publication No. US20050255478A1  
; GENERAL INFORMATION:  
; APPLICANT: KIMBERLY, WILLIAM JOHN  
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS  
; FILE REFERENCE: PUS480US  
; CURRENT APPLICATION NUMBER: US/10/793,626  
; PRIOR FILING DATE: 2004-03-04  
; PRIOR FILING DATE: 1999-11-09  
; NUMBER OF SEQ ID NOS: 4472  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2152  
; LENGTH: 110  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: synthetic  
US-10-793-626-2152

Query Match 64.3%; Score 27; DB 6; Length 110;  
Best Local Similarity 55.6%; Pred. No. 62;  
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMMNNII 9  
| | | | |  
Db 100 NVLAVQII 108

RESULT 35  
US-11-096-568A-28717  
; Sequence 28717, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nikolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 28717  
; LENGTH: 159  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)-(159)  
; OTHER INFORMATION: Ceres Seq. ID no. 3039826  
US-11-096-568A-28717

Query Match 64.3%; Score 27; DB 7; Length 159;  
Best Local Similarity 37.5%; Pred. No. 95;  
Matches 3; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMMNNII 8  
| | | | |  
Db 15 NVLAVV 22

RESULT 36  
US-11-096-568A-28716  
; Sequence 28716, Application US/11096568A

; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nikolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 28716  
; LENGTH: 164  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)-(164)  
; OTHER INFORMATION: Ceres Seq. ID no. 3039825  
US-11-096-568A-28716

Query Match 64.3%; Score 27; DB 7; Length 164;  
Best Local Similarity 37.5%; Pred. No. 99;  
Matches 3; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMMNNII 8  
| | | | |  
Db 20 NVLAVV 27

RESULT 37  
US-11-212-443-80  
; Sequence 80, Application US/11212443  
; Publication No. US20050287165A1  
; GENERAL INFORMATION:  
; APPLICANT: Scalato, Enzo  
; APPLICANT: Maignani, Vega  
; APPLICANT: Rappuoli, Rino  
; APPLICANT: Pizza, Mariagrazia  
; APPLICANT: Grandi, Guido  
; TITLE OF INVENTION: Meningococcal Antigens  
; FILE REFERENCE: CHIR0159  
; CURRENT APPLICATION NUMBER: US/11/212,443  
; CURRENT FILING DATE: 2005-08-24  
; PRIOR APPLICATION NUMBER: US/09/302,626  
; PRIOR FILING DATE: 1999-04-30  
; PRIOR APPLICATION NUMBER: PCT/IB99/00103  
; PRIOR FILING DATE: 1999-01-14  
; NUMBER OF SEQ ID NOS: 195  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 80  
; LENGTH: 172  
; TYPE: PRT  
; ORGANISM: Neisseria meningitidis  
US-11-212-443-80

Query Match 64.3%; Score 27; DB 7; Length 172;  
Best Local Similarity 44.4%; Pred. No. 1e+02;  
Matches 4; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMMNNII 9  
| | | | |  
Db 44 NVFLAVVIL 52

RESULT 38  
US-11-212-443-195  
; Sequence 195, Application US/11212443  
; Publication No. US20050287165A1  
; GENERAL INFORMATION:  
; APPLICANT: Scalato, Enzo  
; APPLICANT: Maignani, Vega  
; APPLICANT: Rappuoli, Rino  
; APPLICANT: Pizza, Mariagrazia  
; APPLICANT: Grandi, Guido

```
/ TITLE OF INVENTION: Meningococcal Antigens
/ FILE REFERENCE: CHIR0159
/ CURRENT APPLICATION NUMBER: US/11/212,443
/ CURRENT FILING DATE: 2005-08-24
/ PRIOR APPLICATION NUMBER: US/09/302,626
/ PRIOR FILING DATE: 1999-04-30
/ PRIOR APPLICATION NUMBER: PCT/IB99/00103
/ PRIOR FILING DATE: 1999-01-14
/ NUMBER OF SEQ ID NOS: 195
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 195
/ LENGTH: 180
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: ORF82a
US-11-212-443-195

Query Match      64.3%; Score 27; DB 7; Length 180;
Best Local Similarity 44.4%; Pred. No. 1.1e+02;
Matches 4; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY      1 NVLMANNII 9
Db      44 NVFLAVNVL 52

RESULT 39
US-11-212-443-48
/ Sequence 48, Application US/11212443
/ Publication No. US20050287165A1
/ GENERAL INFORMATION:
/ APPLICANT: Scalato, Enzo
/ APPLICANT: Masiagnani, Vega
/ APPLICANT: Rappuoli, Rino
/ APPLICANT: Pizza, Mariagrazia
/ APPLICANT: Grandi, Guido
/ TITLE OF INVENTION: Meningococcal Antigens
/ FILE REFERENCE: CHIR0159
/ CURRENT APPLICATION NUMBER: US/11/212,443
/ CURRENT FILING DATE: 2005-08-24
/ PRIOR APPLICATION NUMBER: US/09/302,626
/ PRIOR FILING DATE: 1999-04-30
/ PRIOR APPLICATION NUMBER: PCT/IB99/00103
/ PRIOR FILING DATE: 1999-01-14
/ NUMBER OF SEQ ID NOS: 195
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 48
/ LENGTH: 212
/ TYPE: PRT
/ ORGANISM: Neisseria meningitidis
US-11-212-443-48

Query Match      64.3%; Score 27; DB 7; Length 212;
Best Local Similarity 62.5%; Pred. No. 1.3e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      2 VLMANNII 9
Db      143 ILPALNII 150

RESULT 40
US-11-212-443-46
/ Sequence 46, Application US/11212443
/ Publication No. US20050287165A1
/ GENERAL INFORMATION:
/ APPLICANT: Scalato, Enzo
/ APPLICANT: Masiagnani, Vega
/ APPLICANT: Rappuoli, Rino
/ APPLICANT: Pizza, Mariagrazia
/ APPLICANT: Grandi, Guido
/ TITLE OF INVENTION: Meningococcal Antigens
```

```
/ FILE REFERENCE: CHIR0159
/ CURRENT APPLICATION NUMBER: US/11/212,443
/ CURRENT FILING DATE: 2005-08-24
/ PRIOR APPLICATION NUMBER: US/09/302,626
/ PRIOR FILING DATE: 1999-04-30
/ PRIOR APPLICATION NUMBER: PCT/IB99/00103
/ PRIOR FILING DATE: 1999-01-14
/ NUMBER OF SEQ ID NOS: 195
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 46
/ LENGTH: 219
/ TYPE: PRT
/ ORGANISM: Neisseria meningitidis
/ FEATURE:
/ NAME/KEY: SITE
/ LOCATION: (191)
/ OTHER INFORMATION: unknown
/ FEATURE:
/ NAME/KEY: SITE
/ LOCATION: (201)
/ OTHER INFORMATION: unknown
/ FEATURE:
/ NAME/KEY: SITE
/ LOCATION: (203)
/ OTHER INFORMATION: unknown
/ FEATURE:
/ NAME/KEY: SITE
/ LOCATION: (207)
/ OTHER INFORMATION: unknown
US-11-212-443-46

Query Match      64.3%; Score 27; DB 7; Length 219;
Best Local Similarity 62.5%; Pred. No. 1.4e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      2 VLMANNII 9
Db      143 ILPALNII 150

RESULT 41
US-10-467-657-3352
/ Sequence 3352, Application US/10467657
/ Publication No. US20050260581A1
/ GENERAL INFORMATION:
/ APPLICANT: CHIRON SPA
/ APPLICANT: FONTANA Maria Rita
/ APPLICANT: PIZZA Mariagrazia
/ APPLICANT: MASIGNANI Vega
/ APPLICANT: MONACI Elisabetta
/ TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
/ FILE REFERENCE:
/ CURRENT APPLICATION NUMBER: US/10/467,657
/ CURRENT FILING DATE: 2003-08-11
/ PRIOR APPLICATION NUMBER: GB-0103424.8
/ PRIOR FILING DATE: 2001-02-12
/ NUMBER OF SEQ ID NOS: 9218
/ SOFTWARE: SeqWin99, version 1.04
/ SEQ ID NO 3352
/ LENGTH: 232
/ TYPE: PRT
/ ORGANISM: Neisseria gonorrhoeae
US-10-467-657-3352

Query Match      64.3%; Score 27; DB 6; Length 232;
Best Local Similarity 62.5%; Pred. No. 1.5e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      2 VLMANNII 9
Db      163 ILPALNII 170
```



```
RESULT 42
US-11-212-443-82
; Sequence 82, Application US/11212443
; Publication No. US20050287165A1
; GENERAL INFORMATION:
; APPLICANT: Scalato, Enzo
; APPLICANT: Malignani, Vega
; APPLICANT: Rappuoli, Rino
; APPLICANT: Pizzi, Mariagrazia
; APPLICANT: Grandi, Guido
; TITLE OF INVENTION: Meningococcal Antigens
; FILE REFERENCE: CHIR0159
; CURRENT APPLICATION NUMBER: US/11/212,443
; CURRENT FILING DATE: 2005-08-24
; PRIOR APPLICATION NUMBER: US/09/302,626
; PRIOR FILING DATE: 1999-04-30
; PRIOR APPLICATION NUMBER: PCT/IB99/00103
; PRIOR FILING DATE: 1999-01-14
; NUMBER OF SEQ ID NOS: 195
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 82
; LENGTH: 242
; TYPE: PRT
; ORGANISM: Neisseria meningitidis
US-11-212-443-82

Query Match          64.3%; Score 27; DB 7; Length 242;
Best Local Similarity 44.4%; Pred. NO. 1.5e+02;
Matches 4; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY      1 NVLMMNII 9
      ||:|:|:|:
Db      44 NVFLAVML 52

RESULT 43
US-11-212-443-84
; Sequence 84, Application US/11212443
; Publication No. US20050287165A1
; GENERAL INFORMATION:
; APPLICANT: Scalato, Enzo
; APPLICANT: Malignani, Vega
; APPLICANT: Rappuoli, Rino
; APPLICANT: Pizzi, Mariagrazia
; APPLICANT: Grandi, Guido
; TITLE OF INVENTION: Meningococcal Antigens
; FILE REFERENCE: CHIR0159
; CURRENT APPLICATION NUMBER: US/11/212,443
; CURRENT FILING DATE: 2005-08-24
; PRIOR APPLICATION NUMBER: US/09/302,626
; PRIOR FILING DATE: 1999-04-30
; PRIOR APPLICATION NUMBER: PCT/IB99/00103
; PRIOR FILING DATE: 1999-01-14
; NUMBER OF SEQ ID NOS: 195
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 84
; LENGTH: 242
; TYPE: PRT
; ORGANISM: Neisseria meningitidis
US-11-212-443-84

Query Match          64.3%; Score 27; DB 7; Length 242;
Best Local Similarity 44.4%; Pred. NO. 1.5e+02;
Matches 4; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY      1 NVLMMNII 9
      ||:|:|:|:
Db      44 NVFLAVML 52

RESULT 44
US-11-108-528-78
; Sequence 78, Application US/1108528
```

```
; Publication No. US20050261189A1
; GENERAL INFORMATION:
; APPLICANT: Larsen, Glenn
; APPLICANT: Marvin, Marcha
; APPLICANT: Li, Dean Y.
; APPLICANT: Wang, Elizabeth
; APPLICANT: Chen, C. M. Amy
; APPLICANT: Shamah, Steven M.
; TITLE OF INVENTION: METHODS OF PROMOTING CARDIAC CELL
; TITLE OF INVENTION: PROLIFERATION
; FILE REFERENCE: HYDR-P01-041
; CURRENT APPLICATION NUMBER: US/11/108,528
; CURRENT FILING DATE: 2005-04-18
; PRIOR APPLICATION NUMBER: US 60/563,137
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 60/598,368
; PRIOR FILING DATE: 2004-08-02
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 78
; LENGTH: 355
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-108-528-78

Query Match          64.3%; Score 27; DB 7; Length 355;
Best Local Similarity 71.4%; Pred. NO. 2.4e+02;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2 VLMMNII 8
      ||:|:|:|:
Db      187 VLMMNII 193

RESULT 45
US-11-108-528-76
; Sequence 76, Application US/1108528
; Publication No. US20050261189A1
; GENERAL INFORMATION:
; APPLICANT: Larsen, Glenn
; APPLICANT: Marvin, Marcha
; APPLICANT: Li, Dean Y.
; APPLICANT: Wang, Elizabeth
; APPLICANT: Chen, C. M. Amy
; APPLICANT: Shamah, Steven M.
; TITLE OF INVENTION: METHODS OF PROMOTING CARDIAC CELL
; TITLE OF INVENTION: PROLIFERATION
; FILE REFERENCE: HYDR-P01-041
; CURRENT APPLICATION NUMBER: US/11/108,528
; CURRENT FILING DATE: 2005-04-18
; PRIOR APPLICATION NUMBER: US 60/563,137
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 60/598,368
; PRIOR FILING DATE: 2004-08-02
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 76
; LENGTH: 365
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-108-528-76

Query Match          64.3%; Score 27; DB 7; Length 365;
Best Local Similarity 71.4%; Pred. NO. 2.5e+02;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2 VLMMNII 8
      ||:|:|:|:
Db      197 VLMMNII 203

RESULT 46
US-11-072-512-3454
```

```
; Sequence 3454, Application US/11072512
; Publication No. US200602945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUTUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOKYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT FILING DATE: 2005-03-07
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3454
; LENGTH: 388
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-11-072-512-3454

Query Match      64.3%; Score 27; DB 7; Length 388;
Best Local Similarity 50.0%; Pred. No. 2,7e+02;
Matches 4; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMAMNI 8
Db      359 NIMSMNL 366

RESULT 47
US-11-096-568A-25265
; Sequence 25265, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 25265
; LENGTH: 424
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(424)
; OTHER INFORMATION: Ceres Seq. ID no. 12566857
US-11-096-568A-25265

Query Match      64.3%; Score 27; DB 7; Length 424;
Best Local Similarity 62.5%; Pred. No. 3e+02;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      1 NVLMAMNI 8
```

```
Db      17 NVFMASNV 24

RESULT 48
US-11-087-099-2386
; Sequence 2386, Application US/11087099
; Publication No. US20060041961A1
; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S. et al.
; TITLE OF INVENTION: Genes and Uses for Plant Improvement
; FILE REFERENCE: 38-21(53450) B BP
; CURRENT FILING DATE: 2005-03-22
; NUMBER OF SEQ ID NOS: 12464
; SEQ ID NO 2386
; LENGTH: 836
; TYPE: PRT
; ORGANISM: Yarrowia lipolytica
US-11-087-099-2386

Query Match      64.3%; Score 27; DB 7; Length 836;
Best Local Similarity 44.4%; Pred. No. 6.5e+02;
Matches 4; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY      1 NVLMAMNI 9
Db      567 NVTMGMNL 575

RESULT 49
US-11-096-568A-30785
; Sequence 30785, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 30785
; LENGTH: 1661
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(1661)
; OTHER INFORMATION: Ceres Seq. ID no. 4972410
US-11-096-568A-30785

Query Match      64.3%; Score 27; DB 7; Length 1661;
Best Local Similarity 75.0%; Pred. No. 1.4e+03;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 NVLMAMNI 8
Db      469 DVLAMNI 476

RESULT 50
US-11-096-568A-30784
; Sequence 30784, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
```

; SEQ ID NO 30784  
 ; LENGTH: 1713  
 ; TYPE: PRT  
 ; ORGANISM: Arabidopsis thaliana  
 ; FEATURES:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (1)..(1713)  
 ; OTHER INFORMATION: Ceres Seq. ID no. 4972409  
 US-11-096-568A-30784

Query Match 64.3%; Score 27; DB 7; Length 1713;  
 Best Local Similarity 75.0%; Pred. No. 1.5e+03;  
 Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NVLPMNI 8  
 Db 521 DVLPMNI 528

Search completed: March 17, 2006, 21:19:12  
 Job time : 24.3636 secs

**This Page Blank (uspto)**

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OM protein - protein search, using sw model

Run on: March 17, 2006, 21:13:09 ; Search time 60.75 Seconds  
(without alignments)  
61.901 Million cell updates/sec

Title: US-09-900-147-2

Perfect score: 42

Sequence: 1 NVLMANNII 9

Scoring table:

BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 1000 summaries

Database : Published Applications\_AA\_Main:\*

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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

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4	42	100.0	19	3	US-09-900-147-16
5	42	100.0	20	3	US-09-900-147-4
6	42	100.0	28	5	US-10-752-505-3
7	42	100.0	28	5	US-10-752-505-21
8	42	100.0	28	5	US-10-752-505-22
9	42	100.0	28	5	US-10-752-505-24
10	42	100.0	30	3	US-09-900-147-6
11	42	100.0	37	3	US-09-900-147-1
12	42	100.0	74	4	US-10-214-188-10
13	42	100.0	149	5	US-10-450-763-35869
14	42	100.0	355	4	US-10-106-698-1846
15	42	100.0	405	4	US-10-053-248-24
16	42	100.0	434	4	US-10-345-837-24
17	42	100.0	434	5	US-10-450-763-58416
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19	38	90.5	19	3	US-09-900-147-15
20	37	88.1	119	5	US-10-856-499-1157
21	37	88.1	120	5	US-10-856-499-1056
22	37	88.1	165	4	US-10-424-599-23473
23	37	88.1	207	4	US-10-425-114-71403
24	37	88.1	222	4	US-10-425-114-36974
25	37	88.1	301	4	US-10-425-115-272014
26	37	88.1	314	4	US-10-424-599-185947
27	37	88.1	318	4	US-10-437-963-166158

28	37	88.1	320	4	US-10-424-599-186648
29	37	88.1	325	5	US-10-739-930-6734
30	37	88.1	445	6	US-11-097-143-9348
31	36	85.7	19	3	US-09-900-147-17
32	36	85.7	253	4	US-10-437-963-167076
33	36	85.7	336	4	US-10-425-114-46555
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36	33	78.6	189	4	US-10-767-701-39014
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54	31	73.8	319	4	US-10-085-198-204
55	31	73.8	323	5	US-10-732-923-3274
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78	30	71.4	1439	5	US-10-450-763-59007
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86	29	69.0	152	4	US-10-369-493-1257
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88	29	69.0	228	6	US-11-097-143-13596
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117	28	66.7	305	4	US-10-092-900A-202	Sequence 202, App	190	27	64.3	78	4	US-10-767-701-55962	Sequence 55962, A
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133	28	66.7	397	4	US-10-437-963-137800	Sequence 137800, A	206	27	64.3	138	4	US-10-106-698-6456	Sequence 6456, App
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140	28	66.7	421	4	US-10-138-927-8	Sequence 8, Appl1	213	27	64.3	172	4	US-10-425-115-284594	Sequence 284594, A
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159	28	66.7	519	4	US-10-425-115-334936	Sequence 334936, A	232	27	64.3	232	3	US-09-825-302-464	Sequence 464, App
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303	27	64.3	582	5	US-10-732-923-9342	Sequence 9342, Ap	376	27	64.3	16	5	US-10-958-216-1064	Sequence 1064, Ap
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395	26	61.9	96	4	US-10-335-977-9056	Sequence 9056, Ap	468	26	61.9	310	3	US-09-991-211-8	Sequence 8, Appl1
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399	26	61.9	101	4	US-10-732-923-3288	Sequence 9057, Ap	472	26	61.9	317	4	US-10-369-493-4247	Sequence 4247, Ap
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409	26	61.9	144	3	US-09-741-669-289	Sequence 289, App	482	26	61.9	323	5	US-10-958-216-511	Sequence 511, App
410	26	61.9	144	3	US-09-912-020-313	Sequence 313, App	483	26	61.9	324	5	US-10-873-467-124	Sequence 124, App
411	26	61.9	144	3	US-09-815-242-10340	Sequence 10340, A	484	26	61.9	325	4	US-10-282-1224-74456	Sequence 74456, A
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443	26	61.9	238	4	US-10-437-963-124549	Sequence 124549,	516	26	61.9	406	4	US-10-425-115-216417	Sequence 216417,
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## ALIGNMENTS

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; Patent No. US20020103121A1
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandara, Laseantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/900,147
; CURRENT FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
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US-09-900-147-2

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; Patent No. US20020103121A1
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandara, Laseantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/900,147
; CURRENT FILING DATE: EARLIER APPLICATION NUMBER: 09/308,935
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
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; CURRENT FILING DATE: 2001-07-09
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; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandara, Laseantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/900,147
; CURRENT FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
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; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandara, Laseantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/900,147
; CURRENT FILING DATE: 2001-07-09
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/ APPLICANT: La Thangue, Nicholas B  
/ APPLICANT: Bandara, Iasanthar R  
/ TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
/ FILE REFERENCE: 620-67  
/ CURRENT APPLICATION NUMBER: US/09/900.147  
/ CURRENT FILING DATE: 2001-07-09  
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RESULT 6  
US-10-752-505-3  
/ Sequence 3, Application US/10752505  
/ Publication No. US20050137138A1  
/ GENERAL INFORMATION:  
/ APPLICANT: Shubata, Kenji  
/ APPLICANT: Yamasaki, Motoo  
/ APPLICANT: Yoshida, Tetsuo  
/ APPLICANT: Mizukami, Tamio  
/ TITLE OF INVENTION: B2F Activity-Inhibiting Compound  
/ FILE REFERENCE: 766.29  
/ CURRENT APPLICATION NUMBER: US/10/752,505  
/ CURRENT FILING DATE: 2004-01-08  
/ PRIOR APPLICATION NUMBER: US/09/269,576  
/ PRIOR FILING DATE: 1999-03-30  
/ PRIOR APPLICATION NUMBER: PCT/JP97/03442  
/ PRIOR FILING DATE: 1997-09-26  
/ PRIOR APPLICATION NUMBER: JP 259432/1996  
/ PRIOR FILING DATE: 1996-09-30  
/ NUMBER OF SEQ ID NOS: 27

/ SOFTWARE: WordPerfect 8  
/ SEQ ID NO 3  
/ LENGTH: 28  
/ TYPE: PRT  
/ ORGANISM: Artificial Sequence  
/ FEATURES:  
/ OTHER INFORMATION: Synthetic  
/ FEATURE:  
/ NAME/KEY: Modified-site  
/ LOCATION: 1  
/ OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-asparagine  
/ FEATURES:  
/ NAME/KEY: Modified-site  
/ LOCATION: 28  
/ OTHER INFORMATION: Xaa at position 28 representing L-serinamide  
US-10-752-505-3

Query Match 100.0%; Score 42; DB 5; Length 28;  
Best Local Similarity 100.0%; Pred. No. 0.18; Indels 0; Gaps 0;  
Matches 9; Conservative 0; Mismatches 0;

Qy 1 NVLMANNII 9  
Db 19 NVLMANNII 27

RESULT 7  
US-10-752-505-21  
/ Sequence 21, Application US/10752505  
/ Publication No. US20050137138A1  
/ GENERAL INFORMATION:  
/ APPLICANT: Shubata, Kenji  
/ APPLICANT: Yamasaki, Motoo  
/ APPLICANT: Yoshida, Tetsuo  
/ APPLICANT: Mizukami, Tamio  
/ TITLE OF INVENTION: B2F Activity-Inhibiting Compound  
/ FILE REFERENCE: 766.29  
/ CURRENT APPLICATION NUMBER: US/10/752,505  
/ CURRENT FILING DATE: 2004-01-08  
/ PRIOR APPLICATION NUMBER: US/09/269,576  
/ PRIOR FILING DATE: 1999-03-30  
/ PRIOR APPLICATION NUMBER: PCT/JP97/03442  
/ PRIOR FILING DATE: 1997-09-26  
/ PRIOR APPLICATION NUMBER: JP 259432/1996  
/ PRIOR FILING DATE: 1996-09-30  
/ NUMBER OF SEQ ID NOS: 27  
/ SOFTWARE: WordPerfect 8  
/ SEQ ID NO 21  
/ LENGTH: 28  
/ TYPE: PRT  
/ ORGANISM: Artificial Sequence  
/ FEATURES:  
/ OTHER INFORMATION: Synthetic  
/ FEATURE:  
/ NAME/KEY: Modified-site  
/ LOCATION: 1  
/ OTHER INFORMATION: Xaa at position 1 representing N-lauryl-L-asparagine  
/ FEATURES:  
/ NAME/KEY: Modified-site  
/ LOCATION: 28  
/ OTHER INFORMATION: Xaa at position 28 representing L-serinamide  
US-10-752-505-21

Query Match 100.0%; Score 42; DB 5; Length 28;  
Best Local Similarity 100.0%; Pred. No. 0.18; Indels 0; Gaps 0;  
Matches 9; Conservative 0; Mismatches 0;

Qy 1 NVLMANNII 9  
Db 19 NVLMANNII 27

RESULT 8

US-10-752-505-22  
; Sequence 22, Application US/10752505  
; Publication No. US20050137138A1  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamasaaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tamio  
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/10/752.505  
; CURRENT FILING DATE: 2004-01-08  
; PRIOR APPLICATION NUMBER: US/09/269.576  
; PRIOR FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 22  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-752-505-22

Query Match 100.0%; Score 42; DB 5; Length 28;  
Best Local Similarity 100.0%; Pred. No. 0.18;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
| | | | |  
| | | | |  
Db 19 NVLMANNII 27

RESULT 9  
US-10-752-505-24  
; Sequence 24, Application US/10752505  
; Publication No. US20050137138A1  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamasaaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tamio  
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/10/752.505  
; CURRENT FILING DATE: 2004-01-08  
; PRIOR APPLICATION NUMBER: US/09/269.576  
; PRIOR FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 24  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-752-505-24

Query Match 100.0%; Score 42; DB 5; Length 28;  
Best Local Similarity 100.0%; Pred. No. 0.18;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
| | | | |  
| | | | |  
Db 19 NVLMANNII 27

RESULT 10  
US-09-900-147-6  
; Sequence 6, Application US/09900147  
; Patent No. US20020103121A1  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandaru, Laxanatha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/900.147  
; CURRENT FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308.935  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 6  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-900-147-6

Query Match 100.0%; Score 42; DB 3; Length 30;  
Best Local Similarity 100.0%; Pred. No. 0.19;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
| | | | |  
| | | | |  
Db 5 NVLMANNII 13

RESULT 11  
US-09-900-147-1  
; Sequence 1, Application US/09900147  
; Patent No. US20020103121A1  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandaru, Laxanatha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/900.147  
; CURRENT FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308.935  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 37  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-900-147-1

Query Match 100.0%; Score 42; DB 3; Length 37;  
Best Local Similarity 100.0%; Pred. No. 0.24;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
| | | | |  
| | | | |  
Db 12 NVLMANNII 20

RESULT 12  
US-10-214-188-10  
; Sequence 10, Application US/10214188

```
; Publication No. US20030022260A1
; GENERAL INFORMATION:
; APPLICANT: LA THANGUE, NICHOLAS B.
; BERNARDS, RENE
; HIEWANS, ELEANORE M.
; TITLE OF INVENTION: TRANSCRIPTION FACTOR E2F-5
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHAYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/214,188
; FILING DATE: 08-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/894,139
; FILING DATE: 13-AUG-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 620-22
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 74 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-10-214-188-10
Query Match          100.0%; Score 42; DB 4; Length 74;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 NVLMAANNII 9
Db 54 NVLMAANNII 62
RESULT 13
US-10-450-763-35869
; Sequence 35869, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 35869
; LENGTH: 149
; TYPE: PRT
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; ORGANISM: Homo sapiens
US-10-450-763-35869
Query Match          100.0%; Score 42; DB 5; Length 149;
Best Local Similarity 100.0%; Pred. No. 1.1;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 NVLMAANNII 9
Db 33 NVLMAANNII 41
RESULT 14
US-10-106-698-4846
; Sequence 4846, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 4846
; LENGTH: 355
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (342)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC FEATURE
; LOCATION: (348)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC FEATURE
; LOCATION: (351)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC FEATURE
; LOCATION: (352)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-4846
Query Match          100.0%; Score 42; DB 4; Length 355;
Best Local Similarity 100.0%; Pred. No. 2.9;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 NVLMAANNII 9
Db 180 NVLMAANNII 188
RESULT 15
US-10-053-248-24
; Sequence 24, Application US/10053248
; Publication No. US2003014188A1
; GENERAL INFORMATION:
; APPLICANT: Lin, Bhaoyang
; TITLE OF INVENTION: Androgen Regulated Nucleic Acid
; FILE REFERENCE: P-IS 4814
; CURRENT APPLICATION NUMBER: US/10/053,248
; CURRENT FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 405
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TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-053-248-24

Query Match  
Best Local Similarity 100.0%; Score 42; DB 4; Length 405;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 169 NVLMANNII 177

RESULT 16  
US-10-345-837-24  
Sequence 24, Application US/10345837  
Publication No. US20040137440A1  
GENERAL INFORMATION:  
APPLICANT: Lin, Biaoyang  
TITLE OF INVENTION: Androgen Regulated Nucleic Acid  
FILE REFERENCE: P-15 5589  
CURRENT APPLICATION NUMBER: US/10/345,837  
CURRENT FILING DATE: 2003-01-15  
PRIOR APPLICATION NUMBER: US 10/053,248  
PRIOR FILING DATE: 2002-01-15  
NUMBER OF SEQ ID NOS: 34  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 24  
LENGTH: 405  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-345-837-24

Query Match  
Best Local Similarity 100.0%; Score 42; DB 4; Length 405;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 169 NVLMANNII 177

RESULT 17  
US-10-450-763-58416  
Sequence 58416, Application US/10450763  
Publication No. US20050196754A1  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 790CIP3/US  
CURRENT APPLICATION NUMBER: US/10/450,763  
CURRENT FILING DATE: 2003-06-11  
PRIOR APPLICATION NUMBER: PCT/US01/08631  
PRIOR FILING DATE: 2001-03-30  
PRIOR APPLICATION NUMBER: 09/540,217  
PRIOR FILING DATE: 2000-03-31  
PRIOR APPLICATION NUMBER: 09/649,167  
PRIOR FILING DATE: 2000-08-23  
NUMBER OF SEQ ID NOS: 60736  
SOFTWARE: Custom  
SEQ ID NO 58416  
LENGTH: 424  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-450-763-58416

Query Match  
Best Local Similarity 100.0%; Score 42; DB 5; Length 424;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 169 NVLMANNII 177

Db 167 NVLMANNII 175

RESULT 18  
US-09-220-091-7  
Sequence 7, Application US/09220091  
Patent No. US20020064523A1  
GENERAL INFORMATION:  
APPLICANT: H. Robert Horvitz  
APPLICANT: Craig Ceol  
APPLICANT: Xiaowei Lu  
TITLE OF INVENTION: A TUMOR SUPPRESSOR PATHWAY IN C. ELEGANS  
FILE REFERENCE: 01997/202003  
CURRENT APPLICATION NUMBER: US/09/220,091  
CURRENT FILING DATE: 1998-12-23  
EARLIER APPLICATION NUMBER: 60/047,996  
EARLIER FILING DATE: 1997-05-28  
EARLIER APPLICATION NUMBER: 09/087,136  
EARLIER FILING DATE: 1998-05-28  
NUMBER OF SEQ ID NOS: 19  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 7  
LENGTH: 575  
TYPE: PRT  
ORGANISM: Caenorhabditis elegans  
US-09-220-091-7

Query Match  
Best Local Similarity 92.9%; Score 39; DB 3; Length 575;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 110 NVLMANNII 118

RESULT 19  
US-09-900-147-15  
Sequence 15, Application US/09900147  
Patent No. US20020103121A1  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
APPLICANT: Bandaru, Laxantha R  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/900,147  
CURRENT FILING DATE: 2001-07-09  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 15  
LENGTH: 19  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-900-147-15

Query Match  
Best Local Similarity 90.5%; Score 38; DB 3; Length 19;  
Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 9 NALMANNII 17

RESULT 20  
US-10-856-499-1157  
Sequence 1157, Application US/10856499



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; Publication No. US20040259145A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Marion
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Modifications and Methods for the
; FILE OF INVENTION: Modification of Gene Transcription
; FILE REFERENCE: 11000.1021C2
; CURRENT APPLICATION NUMBER: US/10/856,499
; CURRENT FILING DATE: 2004-05-28
; NUMBER OF SEQ ID NOS: 2370
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1157
; LENGTH: 119
; TYPE: PRT
; ORGANISM: Pinus radiata
US-10-856-499-1157

Query Match      88.1%; Score 37; DB 5; Length 119;
Best Local Similarity 88.9%; Pred. No. 8.8;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMMNNII 9
Db      82 NVLMMNDII 90

RESULT 21
US-10-856-499-1056
; Sequence 1056, Application US/10856499
; Publication No. US20040259145A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Marion
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; FILE OF INVENTION: Modification of Gene Transcription
; FILE REFERENCE: 11000.1021C2
; CURRENT APPLICATION NUMBER: US/10/856,499
; CURRENT FILING DATE: 2004-05-28
; NUMBER OF SEQ ID NOS: 2370
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Pinus radiata
US-10-856-499-1056

Query Match      88.1%; Score 37; DB 5; Length 120;
Best Local Similarity 88.9%; Pred. No. 8.9;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMMNNII 9
Db      81 NVLMMNDII 89

RESULT 22
US-10-424-599-234773
; Sequence 234773, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53323)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
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; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 234773
; LENGTH: 165
; TYPE: PRT
; ORGANISM: Glycine max
; FEATUERS:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_54029C.1.pep
US-10-424-599-234773

Query Match      88.1%; Score 37; DB 4; Length 165;
Best Local Similarity 88.9%; Pred. No. 13;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMMNNII 9
Db      153 NVLMMNDII 161

RESULT 23
US-10-425-114-71403
; Sequence 71403, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jindong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 71403
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Zea mays subsp. mexicana
; FEATUERS:
; OTHER INFORMATION: Clone ID: UC-ZMR0TOSINTB119B07_F11.pep
US-10-425-114-71403

Query Match      88.1%; Score 37; DB 4; Length 207;
Best Local Similarity 88.9%; Pred. No. 16;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMMNNII 9
Db      17 NVLMMNDII 25

RESULT 24
US-10-425-114-36974
; Sequence 36974, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jindong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, Steven E
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 36974
; LENGTH: 222
; TYPE: PRT
; ORGANISM: Glycine max
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FEATURE:  
OTHER INFORMATION: Clone ID: LIB3170-045-C12\_F11.pep  
US-10-425-114-36974

Query Match 88.1%; Score 37; DB 4; Length 222;  
Best Local Similarity 88.9%; Pred. No. 17;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMAMNII 9  
DB 38 NVLMAMDI 46

RESULT 25  
US-10-425-115-272014  
Sequence 272014, Application US/10425115  
Publication No. US20040214272A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovalic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(53222)B  
CURRENT APPLICATION NUMBER: US/10/425,115  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 369326  
SEQ ID NO 272014  
LENGTH: 301  
TYPE: PRT  
ORGANISM: Zea mays  
FEATURE:  
OTHER INFORMATION: Clone ID: MRT4577\_179669C.1.pep  
US-10-425-115-272014

Query Match 88.1%; Score 37; DB 4; Length 301;  
Best Local Similarity 88.9%; Pred. No. 24;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMAMNII 9  
DB 111 NVLMAMDI 119

RESULT 26  
US-10-424-599-185947  
Sequence 185947, Application US/10424599  
Publication No. US20040031072A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovalic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(53223)B  
CURRENT APPLICATION NUMBER: US/10/424,599  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 285684  
SEQ ID NO 185947  
LENGTH: 314  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
OTHER INFORMATION: Clone ID: PAT\_MRT3847\_138923C.1.pep  
US-10-424-599-185947

Query Match 88.1%; Score 37; DB 4; Length 314;  
Best Local Similarity 88.9%; Pred. No. 25;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMAMNII 9

DB 130 NVLMAMDI 138

RESULT 27  
US-10-437-963-166158  
Sequence 166158, Application US/10437963  
Publication No. US20040123343A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovalic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
APPLICANT: Wu, Wei  
APPLICANT: Boukharov, Andrey A.  
APPLICANT: Barbazuk, Brad  
APPLICANT: Li, Ping  
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(53221)B  
CURRENT APPLICATION NUMBER: US/10/437,963  
CURRENT FILING DATE: 2003-05-14  
NUMBER OF SEQ ID NOS: 204966  
SEQ ID NO 166158  
LENGTH: 318  
TYPE: PRT  
ORGANISM: Oryza sativa  
FEATURE:  
OTHER INFORMATION: Clone ID: PAT\_MRT4530\_64895C.1.pep  
US-10-437-963-166158

Query Match 88.1%; Score 37; DB 4; Length 318;  
Best Local Similarity 88.9%; Pred. No. 26;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMAMNII 9  
DB 161 NVLMAMDI 169

RESULT 28  
US-10-424-599-186648  
Sequence 186648, Application US/10424599  
Publication No. US20040031072A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovalic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(53223)B  
CURRENT APPLICATION NUMBER: US/10/424,599  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 285684  
SEQ ID NO 186648  
LENGTH: 320  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: unsure  
LOCATION: (1)..(320)  
OTHER INFORMATION: unsure at all Xaa locations  
FEATURE:  
OTHER INFORMATION: Clone ID: PAT\_MRT3847\_139556C.1.pep  
US-10-424-599-186648

Query Match 88.1%; Score 37; DB 4; Length 320;  
Best Local Similarity 88.9%; Pred. No. 26;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMAMNII 9

Db 132 NVLMAMDI 140

RESULT 29

US-10-739-930-6734

Sequence 6734, Application US/10739930

Publication No. US20040216190A1

GENERAL INFORMATION:

APPLICANT: Kovalic, David K.

TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH

TITLE OF INVENTION: PLANTS AND USES THEREOF FOR PLANT IMPROVEMENT

FILE REFERENCE: 38-21(53377)B

CURRENT APPLICATION NUMBER: US/10/739,930

CURRENT FILING DATE: 2003-12-18

NUMBER OF SEQ ID NOS: 11088

SEQ ID NO 6734

LENGTH: 385

TYPE: PRT

ORGANISM: Arabidopsis thaliana

FEATURE:

OTHER INFORMATION: Clone ID: ARATH-23APR03-C801\_1.p

US-10-739-930-6734

Query Match 88.1%; Score 37; DB 5; Length 385;

Best Local Similarity 88.9%; Pred. No. 32;

Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NVLMAMDI 9

Db 163 NVLMAMDI 171

RESULT 30

US-11-097-143-9348

Sequence 9348, Application US/11097143

Publication No. US20050208558A1

GENERAL INFORMATION:

APPLICANT: Venter, J. Craig

APPLICANT: et al.

TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID

TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE

FILE REFERENCE: C1000728

CURRENT APPLICATION NUMBER: US/11/097,143

CURRENT FILING DATE: 2005-04-04

PRIOR APPLICATION NUMBER: 60/157,832

PRIOR FILING DATE: 1999-10-05

PRIOR APPLICATION NUMBER: 60/160,191

PRIOR FILING DATE: 1999-10-19

PRIOR APPLICATION NUMBER: 60/161,932

PRIOR FILING DATE: 1999-10-28

PRIOR APPLICATION NUMBER: 60/164,769

PRIOR FILING DATE: 1999-11-12

PRIOR APPLICATION NUMBER: 60/173,383

PRIOR FILING DATE: 1999-12-28

PRIOR APPLICATION NUMBER: 60/175,693

PRIOR FILING DATE: 2000-01-12

PRIOR APPLICATION NUMBER: 60/184,831

PRIOR FILING DATE: 2000-02-24

PRIOR APPLICATION NUMBER: 60/191,637

PRIOR FILING DATE: 2000-03-23

NUMBER OF SEQ ID NOS: 43008

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 9348

LENGTH: 445

TYPE: PRT

ORGANISM: DROSOPHILA

US-11-097-143-9348

Query Match 88.1%; Score 37; DB 6; Length 445;

Best Local Similarity 77.8%; Pred. No. 37;

Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NVLMAMDI 9

Db 224 NVLMAMDI 232

RESULT 31

US-09-900-147-17

Sequence 17, Application US/09900147

Patent No. US20020103121A1

GENERAL INFORMATION:

APPLICANT: La Thangue, Nicholas B

APPLICANT: Bandaru, Lasantha R

TITLE OF INVENTION: Peptide antagonists of DP transcription factors

FILE REFERENCE: 620-67

CURRENT APPLICATION NUMBER: US/09/900,147

CURRENT FILING DATE: 2001-07-09

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935

PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7

PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20

NUMBER OF SEQ ID NOS: 18

SOFTWARE: Patentm Ver. 2.1

SEQ ID NO 17

LENGTH: 19

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide

US-09-900-147-17

Query Match 85.7%; Score 36; DB 3; Length 19;

Best Local Similarity 88.9%; Pred. No. 1.9;

Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NVLMAMDI 9

Db 9 NVLMAMDI 17

RESULT 32

US-10-437-963-167076

Sequence 167076, Application US/10437963

Publication No. US20040123343A1

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: Kovalic, David K.

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Wu, Wei

APPLICANT: Boukharov, Andrey A.

APPLICANT: Barbazuk, Brad

APPLICANT: Li, Ping

TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

FILE REFERENCE: 38-21(53221)B

CURRENT APPLICATION NUMBER: US/10/437,963

CURRENT FILING DATE: 2003-05-14

NUMBER OF SEQ ID NOS: 204966

SEQ ID NO 167076

LENGTH: 263

TYPE: PRT

ORGANISM: Oryza sativa

FEATURE:

OTHER INFORMATION: Clone ID: PAT\_MRT4530\_65721C.1.pcp

US-10-437-963-167076

Query Match 85.7%; Score 36; DB 4; Length 263;

Best Local Similarity 88.9%; Pred. No. 33;

Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NVLMAMDI 9

Db 163 NVLMAMDI 171

```
RESULT 33
US-10-425-114-46555
; Sequence 46555, Application US/10425114
; Publication No. US20040034688A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaka, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 46555
; LENGTH: 336
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 700347688_FLI.pep
US-10-425-114-46555
```

```
Query Match      85.7%; Score 36; DB 4; Length 336;
Best Local Similarity 88.9%; Pred. No. 44;
Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 NVLMANNII 9
Db      147 NVLMAMEII 155
```

```
RESULT 34
US-10-425-115-186696
; Sequence 186696, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 186696
; LENGTH: 341
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_101857C.1.pep
US-10-425-115-186696
```

```
Query Match      85.7%; Score 36; DB 4; Length 341;
Best Local Similarity 88.9%; Pred. No. 44;
Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 NVLMANNII 9
Db      152 NVLMAMEII 160
```

```
RESULT 35
US-09-900-147-11
; Sequence 11, Application US/09900147
; Patent No. US20020103121A1
; GENERAL INFORMATION:
```

```
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/900,147
; CURRENT FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-11
```

```
Query Match      81.0%; Score 34; DB 3; Length 14;
Best Local Similarity 100.0%; Pred. No. 3; 4;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 NVLMANN 7
Db      8 NVLMANN 14
```

```
RESULT 36
US-10-767-701-39014
; Sequence 39014, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 39014
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(189)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-C85222_1.pep
US-10-767-701-39014
```

```
Query Match      78.6%; Score 33; DB 4; Length 189;
Best Local Similarity 55.6%; Pred. No. 93;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 NVLMANNII 9
Db      143 NVLMANVL 151
```

```
RESULT 37
US-10-425-114-56430
; Sequence 56430, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
```

```

; APPLICANT: Tabaka, Jack B
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 56430
; LENGTH: 242
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB189-026-F11_F11.pep
US-10-425-114-56430

Query Match      78.6%; Score 33; DB 4; Length 242;
Best Local Similarity 55.6%; Pred. No. 1.2e+02;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMANNII 9
Db      44 NVLALNVL 52

RESULT 38
US-10-437-963-130784
; Sequence 130784, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Bouharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 130784
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_32913C.1.pep
US-10-437-963-130784

Query Match      78.6%; Score 33; DB 4; Length 263;
Best Local Similarity 77.8%; Pred. No. 1.3e+02;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 NVLMANNII 9
Db      151 NVQMALNII 159

RESULT 39
US-10-425-115-323918
; Sequence 323918, Application US/10425115
; Publication No. US20040124272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Bouharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
```

```

; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 323918
; LENGTH: 296
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)-(296)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_58482C.1.pep
US-10-425-115-323918

Query Match      78.6%; Score 33; DB 4; Length 296;
Best Local Similarity 55.6%; Pred. No. 1.5e+02;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMANNII 9
Db      97 NVLALNVL 105

RESULT 40
US-10-425-115-310246
; Sequence 310246, Application US/10425115
; Publication No. US20040124272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Bouharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 310246
; LENGTH: 143
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_46001C.1.pep
US-10-425-115-310246

Query Match      76.2%; Score 32; DB 4; Length 143;
Best Local Similarity 66.7%; Pred. No. 1.1e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 NVLMANNII 9
Db      133 NVLALNVI 141

RESULT 41
US-10-437-963-182403
; Sequence 182403, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Bouharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
```

/ CURRENT FILING DATE: 2003-05-14  
/ NUMBER OF SEQ ID NOS: 204966  
/ SEQ ID NO 182403  
/ LENGTH: 403  
/ TYPE: PRT  
/ ORGANISM: Oryza sativa  
/ FEATURE:  
/ OTHER INFORMATION: Clone ID: PAT\_MRT4530\_79596C.1.pcp  
US-10-437-963-182403

Query Match 76.2%; Score 32; DB 4; Length 403;  
Best Local Similarity 55.6%; Pred. No. 3.4e+02;  
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVTMAINVI 9  
DB 147 NVTMAINVI 155

RESULT 42  
US-09-940-227-78  
/ Sequence 78, Application US/09940227  
/ Publication No. US20030017468A1  
/ GENERAL INFORMATION:  
/ APPLICANT: Chen, Sei Yu  
/ APPLICANT: Macina, Roberto  
/ APPLICANT: Sun, Yongming  
/ APPLICANT: Recipon, Herve  
/ TITLE OF INVENTION: Compositions and Methods Relating to Lung Specific  
/ TITLE OF INVENTION: Genes  
/ FILE REFERENCE: DEX-0230  
/ CURRENT APPLICATION NUMBER: US/09/940,227  
/ CURRENT FILING DATE: 2001-08-27  
/ PRIOR APPLICATION NUMBER: 60/228,378  
/ PRIOR FILING DATE: 2000-08-28  
/ NUMBER OF SEQ ID NOS: 84  
/ SOFTWARE: Patentin Ver. 2.1  
/ SEQ ID NO 78  
/ LENGTH: 879  
/ TYPE: PRT  
/ ORGANISM: Homo sapiens  
US-09-940-227-78

Query Match 76.2%; Score 32; DB 3; Length 879;  
Best Local Similarity 66.7%; Pred. No. 8e+02;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVTMAINVI 9  
DB 151 NVTMAINVI 159

RESULT 43  
US-10-933-058-78  
/ Sequence 78, Application US/10933058  
/ Publication No. US2005026211A1  
/ GENERAL INFORMATION:  
/ APPLICANT: Chen, Sei Yu  
/ APPLICANT: Macina, Roberto  
/ APPLICANT: Sun, Yongming  
/ APPLICANT: Recipon, Herve  
/ TITLE OF INVENTION: Compositions and Methods Relating to Lung Specific  
/ TITLE OF INVENTION: Genes  
/ FILE REFERENCE: DEX-0230  
/ CURRENT APPLICATION NUMBER: US/10/933,058  
/ CURRENT FILING DATE: 2004-09-02  
/ PRIOR APPLICATION NUMBER: US/09/940,227  
/ PRIOR FILING DATE: 2001-08-27  
/ PRIOR APPLICATION NUMBER: 60/228,378  
/ PRIOR FILING DATE: 2000-08-28  
/ NUMBER OF SEQ ID NOS: 84  
/ SOFTWARE: Patentin Ver. 2.1  
/ SEQ ID NO 78

/ LENGTH: 879  
/ TYPE: PRT  
/ ORGANISM: Homo sapiens  
US-10-933-058-78

Query Match 76.2%; Score 32; DB 5; Length 879;  
Best Local Similarity 66.7%; Pred. No. 8e+02;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVTMAINVI 9  
DB 151 NVTMAINVI 159

RESULT 44  
US-10-231-035-3  
/ Sequence 3, Application US/10231035  
/ Publication No. US20030084485A1  
/ GENERAL INFORMATION:  
/ APPLICANT: ZHU, JIAN-KANG  
/ APPLICANT: XIONG, LIMING  
/ TITLE OF INVENTION: METHOD FOR INCREASING STRESS TOLERANCE IN PLANTS  
/ FILE REFERENCE: 227010US20  
/ CURRENT APPLICATION NUMBER: US/10/231,035  
/ CURRENT FILING DATE: 2002-12-18  
/ NUMBER OF SEQ ID NOS: 6  
/ SOFTWARE: Patentin version 3.1  
/ SEQ ID NO 3  
/ LENGTH: 888  
/ TYPE: PRT  
/ ORGANISM: Homo sapiens  
US-10-231-035-3

Query Match 76.2%; Score 32; DB 4; Length 888;  
Best Local Similarity 66.7%; Pred. No. 8.1e+02;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVTMAINVI 9  
DB 160 NVTMAINVI 168

RESULT 45  
US-10-756-149-5265  
/ Sequence 5265, Application US/10756149  
/ Publication No. US20050181375A1  
/ GENERAL INFORMATION:  
/ APPLICANT: Aziz, Natasha  
/ APPLICANT: Zlotnik, Albert  
/ TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND  
/ TITLE OF INVENTION: METHODS OF SCREENING FOR MODULATORS OF METASTATIC CANCER  
/ FILE REFERENCE: file  
/ CURRENT APPLICATION NUMBER: US/10/756,149  
/ CURRENT FILING DATE: 2004-01-12  
/ NUMBER OF SEQ ID NOS: 5818  
/ SOFTWARE: Patentin version 3.2  
/ SEQ ID NO 5265  
/ LENGTH: 888  
/ TYPE: PRT  
/ ORGANISM: Homo Sapiens  
US-10-756-149-5265

Query Match 76.2%; Score 32; DB 5; Length 888;  
Best Local Similarity 66.7%; Pred. No. 8.1e+02;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVTMAINVI 9  
DB 160 NVTMAINVI 168

RESULT 46  
US-10-752-505-26

/ Sequence 26, Application US/10752505  
/ Publication No. US20050137136A1  
/ GENERAL INFORMATION:  
/ APPLICANT: Shubata, Kenji  
/ APPLICANT: Yamaseaki, Motoo  
/ APPLICANT: Yoshida, Tetsuo  
/ APPLICANT: Mizukami, Tamio  
/ TITLE OF INVENTION: B2P Activity-Inhibiting Compound  
/ FILE REFERENCE: 766.29  
/ CURRENT APPLICATION NUMBER: US/10/752,505  
/ CURRENT FILING DATE: 2004-01-08  
/ PRIOR APPLICATION NUMBER: US/09/269,576  
/ PRIOR FILING DATE: 1999-03-30  
/ PRIOR APPLICATION NUMBER: PCT/JP97/03442  
/ PRIOR FILING DATE: 1997-09-26  
/ PRIOR APPLICATION NUMBER: JP 259432/1996  
/ PRIOR FILING DATE: 1996-09-30  
/ NUMBER OF SEQ ID NOS: 27  
/ SOFTWARE: Wordperfect 8  
/ SEQ ID NO 26  
/ LENGTH: 29  
/ TYPE: PRT  
/ ORGANISM: Artificial Sequence  
/ FEATURES:  
/ OTHER INFORMATION: Synthetic  
/ FEATURE:  
/ NAME/KEY: Modified-site  
/ LOCATION: 1-10 and 26-29  
/ OTHER INFORMATION: any one or all of amino acids 1-10 and 26-29 may be present or ab  
/ FEATURE:  
/ NAME/KEY: Modified-site  
/ LOCATION: 1  
/ OTHER INFORMATION: Xaa at position 1 represents Asn, Thr, Ala or Tyr  
/ FEATURE:  
/ NAME/KEY: Modified-site  
/ LOCATION: 2  
/ OTHER INFORMATION: Xaa at position 2 represents Glu or Asp  
/ FEATURE:  
/ NAME/KEY: Modified-site  
/ LOCATION: 3  
/ OTHER INFORMATION: Xaa at position 3 represents Ser or Asn  
/ FEATURE:  
/ NAME/KEY: Modified-site  
/ LOCATION: 5  
/ OTHER INFORMATION: Xaa at position 5 represents Ala or Asn  
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/ LOCATION: 6  
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/ LOCATION: 9  
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/ LOCATION: 25  
/ OTHER INFORMATION: Xaa at position 25 represents Met or Ile  
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/ LOCATION: 27  
/ OTHER INFORMATION: Xaa at position 27 represents Ile or Val  
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Best Local Similarity 77.8%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
  
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Db 20 NVLWANNXI 28  
  
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US-10-424-599-264443  
/ Sequence 264443, Application US/10424599  
/ Publication No. US20040031072A1  
/ GENERAL INFORMATION:  
/ APPLICANT: La Rosa Thomas J  
/ APPLICANT: Kovalic David K  
/ APPLICANT: Zhou Yihua  
/ APPLICANT: Cao Yongwei  
/ TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
/ FILE REFERENCE: 38-21(53223)B  
/ CURRENT APPLICATION NUMBER: US/10/424,599  
/ CURRENT FILING DATE: 2003-04-28  
/ NUMBER OF SEQ ID NOS: 285684  
/ SEQ ID NO 264443  
/ LENGTH: 59  
/ TYPE: PRT  
/ ORGANISM: Glycine max  
/ FEATURES:  
/ OTHER INFORMATION: Clone ID: PAT\_MRT3847\_80812C.1.pep  
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US-09-864-761-43263  
/ Sequence 43263, Application US/09864761  
/ Patent No. US20020048763A1  
/ GENERAL INFORMATION:  
/ APPLICANT: Penn, Sharon G.  
/ APPLICANT: Rank, David R.  
/ APPLICANT: Hanzel, David K.  
/ APPLICANT: Chen, Wensheng  
/ TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
/ FILE REFERENCE: Aeomica-X-1  
/ CURRENT APPLICATION NUMBER: US/09/864,761  
/ CURRENT FILING DATE: 2001-05-23  
/ PRIOR APPLICATION NUMBER: US 60/180,312  
/ PRIOR FILING DATE: 2000-02-04  
/ PRIOR APPLICATION NUMBER: US 60/207,456  
/ PRIOR FILING DATE: 2000-05-26  
/ PRIOR APPLICATION NUMBER: US 09/632,366  
/ PRIOR FILING DATE: 2000-08-03  
/ PRIOR APPLICATION NUMBER: GB 24263.6  
/ PRIOR FILING DATE: 2000-10-04  
/ PRIOR APPLICATION NUMBER: US 60/236,359  
/ PRIOR FILING DATE: 2000-09-27  
/ PRIOR APPLICATION NUMBER: PCT/US01/00666  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00667  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00668  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00669  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00665  
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/ PRIOR APPLICATION NUMBER: PCT/US01/00668  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00663  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00662  
/ PRIOR FILING DATE: 2001-01-30  
/ PRIOR APPLICATION NUMBER: PCT/US01/00661  
/ PRIOR FILING DATE: 2001-01-30

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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
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; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
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; LENGTH: 67
; TYPE: PRT
; ORGANISM: Homo sapiens
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; OTHER INFORMATION: MAP TO AL031301.1
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US-09-864-761-43263
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Db      43 NVLMANNII 51
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; Sequence 511, Application US/09886055
; Patent No. US20020132273A1
; GENERAL INFORMATION:
; APPLICANT: STRYER, LUBERT
; APPLICANT: ZOZULYA, SERGEY
; TITLE OF INVENTION: RECEPTOR FINGERPRINTING, SENSORY PERCEPTION, AND
; FILE REFERENCE: 078003-0277150
; CURRENT APPLICATION NUMBER: US/09/886,055
; CURRENT FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/213,812
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 522
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 511
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; TYPE: PRT
; ORGANISM: Homo sapiens
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US-09-804-291-511
; Sequence 511, Application US/09804291
; Publication No. US20030088059A1
; GENERAL INFORMATION:
; APPLICANT: ZOZULYA, SERGEY
; TITLE OF INVENTION: HUMAN OLFACTORY RECEPTORS AND GENES ENCODING SAME
; FILE REFERENCE: P 0278005
; CURRENT APPLICATION NUMBER: US/09/804,291
; CURRENT FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: 60/188,914
; PRIOR FILING DATE: 2000-03-13
; PRIOR APPLICATION NUMBER: 60/192,033
; PRIOR FILING DATE: 2000-03-24
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; PRIOR APPLICATION NUMBER: 60/198,474
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/199,335
; PRIOR FILING DATE: 2000-04-24
; PRIOR APPLICATION NUMBER: 60/207,702
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/213,849
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/226,534
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: 60/230,732
; PRIOR FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: 60/266,862
; PRIOR FILING DATE: 2001-02-07
; NUMBER OF SEQ ID NOS: 529
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 511
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-804-291-511
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Query Match      73.8%; Score 31; DB 3; Length 312;
Best Local Similarity 55.6%; Pred. No. 4,1e+02;
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OM protein - protein search, using sw model

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Listing first 1000 summaries

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#### SUMMARIES

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4	42	100.0	17	2	US-09-078-576-13
5	42	100.0	19	2	US-09-308-935-3
6	42	100.0	19	2	US-09-308-935-16
7	42	100.0	20	2	US-09-308-935-4
8	42	100.0	28	2	US-09-269-576G-3
9	42	100.0	28	2	US-09-269-576G-21
10	42	100.0	28	2	US-09-269-576G-22
11	42	100.0	28	2	US-09-269-576G-24
12	42	100.0	30	2	US-09-308-935-6
13	42	100.0	37	2	US-09-308-935-1
14	42	100.0	72	1	US-08-428-131-11
15	42	100.0	72	1	US-09-078-596-11
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18	42	100.0	369	1	US-08-723-415B-4
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23	42	100.0	370	2	US-09-710-861-6
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33	42	100.0	410	2	US-09-189-627A-11	Sequence 11, Appl
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46	32	76.2	387	2	US-09-252-991A-22990	Sequence 22990, A
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52	29	69.0	88	2	US-08-936-165A-513	Sequence 513, Ap
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54	29	69.0	100	2	US-09-134-001C-3434	Sequence 3434, Ap
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63	28	66.7	111	2	US-09-248-796A-22570	Sequence 22570, A
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75	28	66.7	922	2	US-09-107-532A-4069	Sequence 4069, Ap
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79	27	64.3	141	1	US-08-470-179-18	Sequence 17, Appl
80	27	64.3	141	1	US-08-470-179-19	Sequence 18, Appl
81	27	64.3	141	1	US-08-470-179-10	Sequence 19, Appl
82	27	64.3	159	2	US-09-270-767-56136	Sequence 20, Appl
83	27	64.3	159	2	US-09-270-767-51373	Sequence 3156, A
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85	27	64.3	172	2	US-09-302-626B-80	Sequence 14138, A
86	27	64.3	180	2	US-09-302-626B-195	Sequence 80, Appl
87	27	64.3	186	2	US-09-430-221-1	Sequence 195, App
88	27	64.3	202	2	US-09-328-352-6686	Sequence 1, Appl
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92	27	64.3	242	2	US-09-302-626B-82	Sequence 46373, A
93	27	64.3	242	2	US-09-302-626B-84	Sequence 82, Appl
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111	27	64.3	388	2	US-10-104-047-3454	Sequence 3454, Ap	184	26	61.9	558	2	US-09-583-110-4848	Sequence 4848, Ap
112	27	64.3	388	2	US-09-489-039A-8645	Sequence 8645, Ap	185	26	61.9	552	2	US-09-385-028-3	Sequence 3, Appl1
113	27	64.3	405	2	US-09-248-796A-16018	Sequence 16018, A	186	26	61.9	552	2	US-09-726-614-3	Sequence 3, Appl1
114	27	64.3	409	2	US-09-613-303-55	Sequence 55, Appl1	187	26	61.9	552	2	US-09-385-040-3	Sequence 3, Appl1
115	27	64.3	409	2	US-10-267-311-55	Sequence 55, Appl1	188	26	61.9	561	2	US-09-902-540-16282	Sequence 16282, A
116	27	64.3	423	2	US-09-540-236-1149	Sequence 1149, Ap	189	26	61.9	564	2	US-09-902-540-16486	Sequence 6, Appl1
117	27	64.3	458	2	US-09-771-161A-137	Sequence 137, App	190	26	61.9	595	2	US-08-842-079-6	Sequence 6, Appl1
118	27	64.3	466	2	US-09-771-161A-228	Sequence 228, App	191	26	61.9	595	2	US-08-842-079-17	Sequence 17, Appl
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120	27	64.3	524	2	US-09-248-796A-18975	Sequence 18975, A	193	26	61.9	595	2	US-09-638-857-17	Sequence 17, Appl
121	27	64.3	554	2	US-09-002-285-104	Sequence 104, App	194	26	61.9	615	2	US-09-198-452A-1037	Sequence 1037, Ap
122	27	64.3	554	2	US-09-589-477-104	Sequence 104, App	195	26	61.9	615	2	US-09-438-185A-967	Sequence 967, App
123	27	64.3	554	2	US-10-039-285A-104	Sequence 104, App	196	26	61.9	629	2	US-09-252-991A-28532	Sequence 28532, A
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125	27	64.3	577	2	US-09-389-341-32	Sequence 32, Appl	198	26	61.9	770	2	US-09-252-991A-30323	Sequence 30323, A
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133	27	64.3	948	2	US-10-267-311-21	Sequence 21, Appl	206	26	61.9	2182	1	US-08-487-826B-16	Sequence 16, Appl
134	27	64.3	952	2	US-09-328-352-4551	Sequence 4551, App	207	26	61.9	31	1	US-08-031-538-68	Sequence 68, Appl
135	27	64.3	981	1	US-08-649-046-2	Sequence 2, Appl1	208	25	59.5	34	2	US-09-270-767-34038	Sequence 34038, A
136	27	64.3	1062	2	US-09-487-558B-234	Sequence 234, App	209	25	59.5	34	2	US-09-270-767-49255	Sequence 49255, A
137	27	64.3	1778	2	US-09-252-991A-18159	Sequence 18159, A	210	25	59.5	34	2	US-10-044-359-8	Sequence 8, Appl1
138	26	61.9	91	2	US-09-134-000C-3756	Sequence 3756, Ap	211	25	59.5	56	2	US-09-270-767-59234	Sequence 59234, A
139	26	61.9	92	2	US-09-489-039A-10344	Sequence 10344, A	212	25	59.5	61	2	US-09-248-796A-25970	Sequence 25970, A
140	26	61.9	117	2	US-09-198-452A-885	Sequence 885, App	213	25	59.5	62	2	US-09-134-001C-3106	Sequence 3106, App
141	26	61.9	125	2	US-09-270-767-37969	Sequence 37969, A	214	25	59.5	66	2	US-09-205-258-1030	Sequence 1030, Ap
142	26	61.9	125	2	US-09-270-767-53186	Sequence 53186, A	215	25	59.5	66	2	US-10-004-860-1030	Sequence 1030, Ap
143	26	61.9	127	2	US-09-107-532A-6784	Sequence 6784, A	216	25	59.5	66	2	US-09-248-796A-22872	Sequence 22872, A
144	26	61.9	129	2	US-09-270-767-57144	Sequence 57144, A	217	25	59.5	71	2	US-09-540-236-2854	Sequence 2854, Ap
145	26	61.9	144	2	US-09-732-210-612	Sequence 612, App	218	25	59.5	81	2	US-09-248-796A-21166	Sequence 21166, A
146	26	61.9	144	2	US-09-711-164-315	Sequence 315, App	219	25	59.5	84	2	US-09-205-258-1032	Sequence 1032, Ap
147	26	61.9	144	2	US-09-710-279-1640	Sequence 1640, Ap	220	25	59.5	84	2	US-10-004-860-1032	Sequence 1032, Ap
148	26	61.9	144	2	US-09-710-279-1958	Sequence 1958, App	221	25	59.5	93	2	US-09-134-001C-4976	Sequence 4976, Ap
149	26	61.9	144	2	US-09-482-709A-313	Sequence 313, App	222	25	59.5	95	2	US-09-328-352-8011	Sequence 8011, Ap
150	26	61.9	145	2	US-09-489-039A-10963	Sequence 10963, A	223	25	59.5	99	2	US-09-543-681A-4683	Sequence 4683, App
151	26	61.9	147	2	US-09-107-433-4920	Sequence 4920, Ap	224	25	59.5	103	2	US-09-583-110-3047	Sequence 3047, Ap
152	26	61.9	155	2	US-09-270-767-41181	Sequence 41181, A	225	25	59.5	103	2	US-09-270-767-47477	Sequence 47477, A
153	26	61.9	155	2	US-09-270-767-56397	Sequence 56397, A	226	25	59.5	103	2	US-09-107-433-4248	Sequence 4248, Ap
154	26	61.9	185	2	US-09-302-626B-50	Sequence 50, Appl	227	25	59.5	108	2	US-09-248-796A-21038	Sequence 21038, A
155	26	61.9	225	1	US-09-107-532A-7099	Sequence 7099, App	228	25	59.5	109	2	US-09-516-859A-101	Sequence 101, App
156	26	61.9	225	1	US-08-637-759B-127	Sequence 127, App	229	25	59.5	110	2	US-09-586-472-101	Sequence 101, App
157	26	61.9	225	2	US-08-871-355A-127	Sequence 127, App	230	25	59.5	110	2	US-09-528-706-101	Sequence 101, App
158	26	61.9	237	2	US-09-270-767-37302	Sequence 37302, A	231	25	59.5	111	2	US-09-248-796A-23385	Sequence 23385, A
159	26	61.9	237	2	US-09-270-767-37302	Sequence 37302, A	232	25	59.5	111	2	US-09-248-796A-23385	Sequence 23385, A
160	26	61.9	238	2	US-09-134-000C-3433	Sequence 3433, App	233	25	59.5	119	2	US-08-906-765-143	Sequence 143, App
161	26	61.9	245	2	US-10-046-961-4	Sequence 4, Appl1	234	25	59.5	128	2	US-08-639-075A-143	Sequence 143, App
162	26	61.9	250	2	US-09-270-767-37309	Sequence 37309, A	235	25	59.5	128	2	US-09-012-431-143	Sequence 143, App
163	26	61.9	273	2	US-08-936-165A-395	Sequence 395, App	237	25	59.5	128	2	US-09-012-692-143	Sequence 143, App
164	26	61.9	299	2	US-09-720-318A-4	Sequence 4, Appl1	238	25	59.5	128	2	US-08-906-613-143	Sequence 143, App
165	26	61.9	310	2	US-09-632-947B-8	Sequence 8, Appl1	239	25	59.5	134	2	US-09-543-681A-8061	Sequence 8061, App
166	26	61.9	310	2	US-09-438-185A-827	Sequence 827, App	240	25	59.5	136	2	US-09-134-000C-5215	Sequence 5215, A
167	26	61.9	334	2	US-09-270-767-41896	Sequence 41896, A	241	25	59.5	143	2	US-08-668-699A-4	Sequence 4, Appl1
168	26	61.9	336	2	US-09-107-532A-5977	Sequence 5977, App	242	25	59.5	143	2	US-09-757-014-4	Sequence 4, Appl1
169	26	61.9	354	2	US-10-152-886-71	Sequence 71, Appl	243	25	59.5	148	2	US-09-248-796A-25163	Sequence 25163, A
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172	26	61.9	377	2	US-09-910-430-27	Sequence 27, Appl	246	25	59.5				

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248	25	59.5	149	2	US-09-710-279-594	Sequence 594, App	321	25	59.5	445	1	US-08-157-185-2	Sequence 2, Appl1
249	25	59.5	154	2	US-09-134-000C-4176	Sequence 4176, App	322	25	59.5	445	1	US-08-281-528-2	Sequence 2, Appl1
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252	25	59.5	158	2	US-09-270-767-50789	Sequence 50789, A	325	25	59.5	445	2	US-09-450-7908-2	Sequence 2, Appl1
253	25	59.5	167	2	US-09-205-258-1026	Sequence 1026, App	326	25	59.5	445	2	US-09-332-837-2	Sequence 2, Appl1
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261	25	59.5	207	2	US-09-583-110-5265	Sequence 5265, App	334	25	59.5	455	1	US-08-457-142-18	Sequence 18, Appl1
262	25	59.5	208	2	US-09-769-787-1	Sequence 1, Appl1	335	25	59.5	455	1	US-08-457-646A-18	Sequence 18, Appl1
263	25	59.5	208	2	US-09-107-433-3916	Sequence 316, App	336	25	59.5	455	1	US-08-458-076A-18	Sequence 18, Appl1
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266	25	59.5	234	2	US-09-543-681A-5274	Sequence 5274, App	339	25	59.5	455	1	US-09-028-934-18	Sequence 18, Appl1
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269	25	59.5	246	2	US-09-540-236-2695	Sequence 2695, App	342	25	59.5	468	2	US-09-489-039A-7971	Sequence 7971, App
270	25	59.5	249	2	US-09-328-352-5813	Sequence 5813, App	343	25	59.5	475	2	US-09-710-279-2076	Sequence 2076, App
271	25	59.5	258	2	US-09-248-796A-18872	Sequence 18872, A	344	25	59.5	484	2	US-09-583-110-3997	Sequence 3997, App
272	25	59.5	258	2	US-09-556-916-30	Sequence 30, Appl1	345	25	59.5	484	2	US-09-248-796A-17959	Sequence 17959, A
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274	25	59.5	262	2	US-09-540-236-2075	Sequence 2075, App	347	25	59.5	484	2	US-09-949-016-10635	Sequence 10635, A
275	25	59.5	263	2	US-09-540-236-2042	Sequence 2042, App	348	25	59.5	484	2	US-09-710-279-770	Sequence 770, App
276	25	59.5	266	2	US-09-393-634-15	Sequence 15, Appl1	349	25	59.5	492	2	US-09-543-681A-6525	Sequence 6525, App
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278	25	59.5	273	2	US-09-328-352-5843	Sequence 5843, App	351	25	59.5	510	2	US-09-893-37-84	Sequence 84, Appl1
279	25	59.5	276	1	US-08-786-606-5	Sequence 5, Appl1	352	25	59.5	524	2	US-09-134-001C-3353	Sequence 3353, App
280	25	59.5	276	1	US-09-205-258-1027	Sequence 1027, App	353	25	59.5	525	2	US-09-710-279-1292	Sequence 1292, App
281	25	59.5	276	2	US-09-134-000C-3713	Sequence 3713, App	354	25	59.5	536	2	US-09-449-632-2	Sequence 2, Appl1
282	25	59.5	276	2	US-10-004-860-1027	Sequence 1027, App	355	25	59.5	538	2	US-09-512-615A-225	Sequence 225, App
283	25	59.5	284	2	US-09-248-796A-17006	Sequence 17006, A	356	25	59.5	559	2	US-09-606-421B-225	Sequence 225, App
284	25	59.5	284	2	US-09-328-352-7993	Sequence 7993, App	357	25	59.5	559	2	US-09-476-4966A-225	Sequence 225, App
285	25	59.5	299	1	US-08-874-347-10	Sequence 10, Appl1	358	25	59.5	560	2	US-09-630-9408-225	Sequence 225, App
286	25	59.5	300	2	US-09-093-522-10	Sequence 10, Appl1	359	25	59.5	560	2	US-09-943-075A-6	Sequence 6, Appl1
287	25	59.5	302	2	US-09-270-767-55326	Sequence 4326, A	360	25	59.5	560	2	US-09-480-884A-225	Sequence 225, App
288	25	59.5	305	2	US-09-252-991A-24468	Sequence 24468, A	361	25	59.5	560	2	US-09-542-615A-225	Sequence 225, App
289	25	59.5	309	2	US-09-252-991A-18568	Sequence 18568, A	362	25	59.5	560	2	US-09-606-421B-225	Sequence 225, App
290	25	59.5	316	2	US-09-583-110-4000	Sequence 4000, App	363	25	59.5	560	2	US-09-476-4966A-225	Sequence 225, App
291	25	59.5	317	2	US-09-107-433-2640	Sequence 2640, App	364	25	59.5	560	2	US-09-943-075A-6	Sequence 6, Appl1
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293	25	59.5	321	2	US-09-134-001C-3321	Sequence 3321, App	366	25	59.5	560	2	US-09-542-615A-225	Sequence 225, App
294	25	59.5	325	2	US-09-583-110-3313	Sequence 3313, App	367	25	59.5	560	5	US-09-985-799-90	Sequence 90, Appl1
295	25	59.5	325	2	US-09-769-787-141	Sequence 141, App	368	25	59.5	560	5	US-09-977-371-90	Sequence 709, App
296	25	59.5	340	2	US-09-107-433-4173	Sequence 4173, App	369	25	59.5	571	2	US-10-104-047-2709	Sequence 75, Appl1
297	25	59.5	341	2	US-09-205-258-1034	Sequence 1034, App	370	25	59.5	614	2	US-09-538-092-75	Sequence 75, Appl1
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299	25	59.5	343	2	US-09-363-189B-4	Sequence 4, Appl1	372	25	59.5	614	2	US-09-543-681A-4627	Sequence 4627, App
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305	25	59.5	359	2	US-09-543-681A-6815	Sequence 6815, App	378	25	59.5	677	2	US-09-489-039A-13088	Sequence 13088, A
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309	25	59.5	388	2	US-09-191-608-32	Sequence 22, Appl1	382	25	59.5	721	2	US-09-533-029-78	Sequence 78, Appl1
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311	25	59.5	399	2	US-09-248-796A-18084	Sequence 18084, A	384	25	59.5	779	2	US-09-749-601A-12	Sequence 12, Appl1
312	25	59.5	404	1	US-08-428-243-7	Sequence 7, Appl1	385	25	59.5	796	2	US-08-868-699A-2	Sequence 2, Appl1
313	25	59.5	404	4	PCT-US93-10301-7	Sequence 7, Appl1	386	25	59.5	796	2	US-09-757-014-2	Sequence 2, Appl1
314	25	59.5	422	1	US-07-996-772A-12	Sequence 12, Appl1	387	25	59.5	806	2	US-09-134-001C-4314	Sequence 4314, App
315	25	59.5	423	2	US-09-270-767-43831	Sequence 43831, A	388	25	59.5	906	2	US-09-763-620-35	Sequence 35, Appl1
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317	25	59.5	433	2	US-10-152-886-11	Sequence 11, Appl1	390	25	59.5	938	2	US-09-949-016-7537	Sequence 7537, App
318	25	59.5	435	1	US-08-031-538-11	Sequence 11, Appl1	391	25	59.5	943	1	US-08-808-982-7	Sequence 7, Appl1
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394	25	59.5	946	2	US-09-252-991A-18989	Sequence 18989, A	467	24	57.1	124	2	US-09-949-016-8239	Sequence 8239, Ap
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396	25	59.5	1105	2	US-08-999-774A-2	Sequence 2, Appl	469	24	57.1	128	2	US-09-583-110-4855	Sequence 4855, Ap
397	25	59.5	1134	2	US-09-002-285-76	Sequence 76, Appl	470	24	57.1	130	2	US-09-270-767-5935	Sequence 5935, A
398	25	59.5	1134	2	US-09-589-477-76	Sequence 76, Appl	471	24	57.1	111	2	US-09-563-791-14	Sequence 14, Appl
399	25	59.5	1144	2	US-10-039-285A-76	Sequence 76, Appl	472	24	57.1	111	2	US-10-419-276-14	Sequence 14, Appl
400	25	59.5	1148	1	US-08-313-185-58	Sequence 58, Appl	473	24	57.1	133	2	US-09-543-681A-6535	Sequence 6253, Ap
401	25	59.5	1148	2	US-09-082-614A-58	Sequence 58, Appl	474	24	57.1	144	2	US-09-732-210-608	Sequence 608, App
402	25	59.5	1285	2	US-09-976-594-507	Sequence 507, App	475	24	57.1	145	2	US-09-543-681A-7213	Sequence 7213, Ap
403	25	59.5	1285	2	US-09-949-016-6576	Sequence 6576, Ap	476	24	57.1	148	2	US-09-732-210-440	Sequence 440, App
404	25	59.5	1285	2	US-09-949-016-9990	Sequence 9990, Ap	477	24	57.1	149	2	US-09-270-767-3976	Sequence 3976, A
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407	25	59.5	1358	1	US-08-404-781-4	Sequence 4, Appl	480	24	57.1	154	2	US-09-328-352-5265	Sequence 5265, Ap
408	25	59.5	1358	2	US-09-949-002-353	Sequence 353, App	481	24	57.1	154	2	US-10-104-047-2867	Sequence 2867, Ap
409	25	59.5	1385	2	US-09-949-002-431	Sequence 431, App	482	24	57.1	154	2	US-09-370-767-34354	Sequence 34354, A
410	25	59.5	1620	2	US-09-949-016-7242	Sequence 7242, Ap	483	24	57.1	158	2	US-09-270-767-49571	Sequence 49571, A
411	25	59.5	1824	1	US-08-680-327-3	Sequence 3, Appl	484	24	57.1	158	2	US-09-107-433-3399	Sequence 3399, Ap
412	25	59.5	1824	2	US-09-228-246-2	Sequence 2, Appl	485	24	57.1	159	2	US-09-963-791-18	Sequence 18, Appl
413	25	59.5	1980	2	US-09-914-772A-3	Sequence 3, Appl	486	24	57.1	159	2	US-10-419-276-18	Sequence 18, Appl
414	25	59.5	1980	2	US-10-638-333-3	Sequence 3, Appl	487	24	57.1	160	2	US-09-215-221-23	Sequence 23, Appl
415	25	59.5	1980	2	US-10-747-133A-3	Sequence 3, Appl	488	24	57.1	164	1	US-08-408-519-4	Sequence 4, Appl
416	25	59.5	3838	2	US-09-949-016-10853	Sequence 10853, A	489	24	57.1	164	4	PCT-US95-03582-4	Sequence 4, Appl
417	25	57.1	8	2	US-08-475-955-66	Sequence 66, Appl	490	24	57.1	165	2	US-09-270-767-43825	Sequence 43825, A
418	24	57.1	8	2	US-07-867-819D-66	Sequence 66, Appl	491	24	57.1	168	2	US-09-302-331B-16	Sequence 16, Appl
419	24	57.1	37	1	US-07-626-618A-6	Sequence 6, Appl	492	24	57.1	168	2	US-09-714-767A-9	Sequence 9, Appl
420	24	57.1	37	1	US-07-928-611-6	Sequence 6, Appl	493	24	57.1	178	2	US-09-248-796A-14825	Sequence 14825, A
421	24	57.1	37	1	US-08-333-877-6	Sequence 6, Appl	494	24	57.1	178	2	US-09-949-016-9028	Sequence 9028, Ap
422	24	57.1	37	1	US-08-467-811A-6	Sequence 6, Appl	495	24	57.1	178	2	US-09-949-016-9029	Sequence 9029, Ap
423	24	57.1	37	2	US-09-060-694-6	Sequence 6, Appl	496	24	57.1	196	2	US-09-711-164-379	Sequence 379, App
424	24	57.1	37	2	US-09-378-074-6	Sequence 6, Appl	497	24	57.1	196	2	US-09-270-767-59164	Sequence 59164, A
425	24	57.1	37	4	PCT-US93-07370-6	Sequence 6, Appl	498	24	57.1	204	2	US-09-149-476-429	Sequence 429, App
426	24	57.1	40	2	US-09-215-321-18	Sequence 18, Appl	499	24	57.1	204	2	US-09-999-833A-36	Sequence 36, Appl
427	24	57.1	44	2	US-10-318-675-54	Sequence 54, Appl	500	24	57.1	211	2	US-10-020-445A-36	Sequence 36, Appl
428	24	57.1	54	2	US-09-621-976-6888	Sequence 6888, Ap	501	24	57.1	211	2	US-09-489-039A-14442	Sequence 14442, A
429	24	57.1	58	2	US-10-044-359-2	Sequence 2, Appl	502	24	57.1	215	2	US-09-902-540-12660	Sequence 12660, A
430	24	57.1	59	2	US-10-044-359-10	Sequence 10, Appl	503	24	57.1	222	2	US-09-634-238-223	Sequence 223, App
431	24	57.1	63	2	US-09-248-796A-21103	Sequence 21103, A	504	24	57.1	222	2	US-09-543-681A-5953	Sequence 5953, Ap
432	24	57.1	63	2	US-09-248-796A-24526	Sequence 24526, A	505	24	57.1	224	2	US-09-107-532A-5444	Sequence 5444, Ap
433	24	57.1	66	2	US-09-248-796A-14139	Sequence 14139, A	506	24	57.1	224	2	US-09-543-681A-5953	Sequence 5953, Ap
434	24	57.1	69	2	US-09-252-991A-30061	Sequence 30061, A	507	24	57.1	221	2	US-09-583-110-3467	Sequence 3467, Ap
435	24	57.1	70	2	US-09-543-681A-4883	Sequence 4883, Ap	508	24	57.1	236	2	US-09-134-001C-4085	Sequence 4085, Ap
436	24	57.1	76	2	US-09-134-001C-4499	Sequence 4499, Ap	509	24	57.1	237	2	US-09-107-433-3356	Sequence 3356, Ap
437	24	57.1	76	2	US-09-248-796A-23400	Sequence 23400, A	510	24	57.1	239	2	US-09-543-681A-6297	Sequence 6297, Ap
438	24	57.1	77	2	US-09-328-352-5816	Sequence 5816, Ap	511	24	57.1	244	2	US-09-134-000C-5867	Sequence 5267, Ap
439	24	57.1	85	2	US-09-103-478-27	Sequence 27, Appl	512	24	57.1	249	2	US-08-837-317-3	Sequence 3, Appl
440	24	57.1	85	2	US-09-133-931C-27	Sequence 27, Appl	513	24	57.1	249	2	US-09-573-885A-3	Sequence 3, Appl
441	24	57.1	85	2	US-09-516-052-37	Sequence 37, Appl	514	24	57.1	254	2	US-09-270-767-59881	Sequence 59881, A
442	24	57.1	86	2	US-09-248-796A-21690	Sequence 21690, A	515	24	57.1	256	2	US-09-548-473B-13	Sequence 13, Appl
443	24	57.1	87	1	US-08-289-247B-4	Sequence 4, Appl	516	24	57.1	257	2	US-09-198-452A-644	Sequence 644, App
444	24	57.1	87	1	US-08-725-531-4	Sequence 4, Appl	517	24	57.1	262	2	US-09-107-532A-5440	Sequence 5440, Ap
445	24	57.1	87	1	US-08-738-127-4	Sequence 4, Appl	518	24	57.1	262	2	US-09-489-039A-12522	Sequence 12522, A
446	24	57.1	87	1	US-09-213-392-4	Sequence 4, Appl	519	24	57.1	262	2	US-09-438-185A-606	Sequence 606, App
447	24	57.1	87	1	US-09-083-661-4	Sequence 4, Appl	520	24	57.1	265	2	US-09-489-039A-9132	Sequence 9132, Ap
448	24	57.1	87	2	US-09-270-767-38617	Sequence 38617, A	521	24	57.1	265	2	US-09-543-681A-6305	Sequence 6305, Ap
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450	24	57.1	88	2	US-09-270-767-36177	Sequence 36177, A	523	24	57.1	271	1	US-08-790-374-2	Sequence 2, Appl
451	24	57.1	88	2	US-09-270-767-51394	Sequence 51394, A	524	24	57.1	279	2	US-09-252-991A-24283	Sequence 24283, A
452	24	57.1	99	2	US-09-248-796A-22280	Sequence 22280, A	525	24	57.1	282	2	US-09-543-681A-7155	Sequence 7155, Ap
453	24	57.1	99	2	US-09-640-211A-620	Sequence 620, App	526	24	57.1	282	2	US-09-489-039A-11576	Sequence 11576, A
454	24	57.1	106	2	US-09-270-767-59237	Sequence 59237, A	527	24	57.1	283	2	US-09-134-000C-4777	Sequence 4777, Ap
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456	24	57.1	115	2	US-09-583-110-3822	Sequence 3822, Ap	529	24	57.1	287	2	US-10-419-276-4	Sequence 4, Appl
457	24	57.1	115	2	US-09-583-110-4727	Sequence 4727, Ap	530	24	57.1	287	2	US-09-540-236-3405	Sequence 3405, Ap
458	24	57.1	115	2	US-09-583-110-5007	Sequence 5007, Ap	531	24	57.1	288	2	US-09-858-664A-17	Sequence 17, Appl
459	24	57.1	115	2	US-09-583-110-5216	Sequence 5216, Ap	532	24	57.1	288	2	US-10-274-978-18	Sequence 18, Appl
460	24	57.1	117	2	US-09-107-433-4108	Sequence 4108, Ap	533	24	57.1	288	2	US-09-597-263-18	Sequence 18, Appl
461	24	57.1	117	2	US-09-107-433-4109	Sequence 4109, Ap	534	24	57.1	289	2	US-09-222-938A-34	Sequence 34, Appl
462	24	57.1	117	2	US-09-107-433-4332	Sequence 4332, Ap	535	24	57.1	289	2	US-09-328-352-7407	Sequence 7407, Ap
463	24	57.1	119	2	US-09-640-211A-956	Sequence 956, App	536	24	57.1	299	2	US-09-583-110-4285	Sequence 4285, Ap
464	24	57.1	123	2	US-09-149-476-693	Sequence 693, App	537	24	57.1	304	2	US-09-328-352-7289	Sequence 7289, Ap
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540	24	57.1	307	2	US-09-107-433-4045	Sequence 4045, Ap	613	24	57.1	415	2	US-09-026-608-4	Sequence 4, Appl1
541	24	57.1	310	2	US-09-963-791-8	Sequence 8, Appl1	614	24	57.1	415	2	US-09-902-684-4	Sequence 4, Appl1
542	24	57.1	310	2	US-10-419-276-8	Sequence 8, Appl1	615	24	57.1	415	2	US-09-902-540-11178	Sequence 11178, A
543	24	57.1	317	2	US-09-963-791-16	Sequence 16, Appl1	616	24	57.1	415	2	US-10-628-395-4	Sequence 4, Appl1
544	24	57.1	317	2	US-10-419-276-16	Sequence 16, Appl1	617	24	57.1	415	2	US-10-094-944-10	Sequence 10, Appl1
545	24	57.1	319	2	US-09-270-767-42912	Sequence 42912, A	618	24	57.1	419	1	US-08-056-051-4	Sequence 4, Appl1
546	24	57.1	319	2	US-09-902-540-10540	Sequence 10540, A	619	24	57.1	419	1	US-07-928-611-20	Sequence 20, Appl1
547	24	57.1	319	2	US-09-489-039A-10418	Sequence 10418, A	620	24	57.1	419	1	US-08-487-811A-20	Sequence 20, Appl1
548	24	57.1	327	2	US-09-248-796A-16112	Sequence 16112, A	621	24	57.1	419	2	US-09-060-694-20	Sequence 20, Appl1
549	24	57.1	332	2	US-09-605-703B-532	Sequence 532, App	622	24	57.1	419	2	US-09-378-074-20	Sequence 20, Appl1
550	24	57.1	335	2	US-09-215-221-26	Sequence 26, Appl1	623	24	57.1	419	4	PCT-US93-07370-20	Sequence 20, Appl1
551	24	57.1	335	2	US-09-949-016-8228	Sequence 8228, Ap	624	24	57.1	426	2	US-09-489-039A-9805	Sequence 9805, Ap
552	24	57.1	337	2	US-10-152-886-101	Sequence 101, App	625	24	57.1	426	2	US-09-248-796A-18214	Sequence 18214, A
553	24	57.1	338	2	US-09-489-039A-11940	Sequence 11940, A	626	24	57.1	433	2	US-09-106-075A-86	Sequence 86, Appl1
554	24	57.1	338	2	US-09-689-486-63	Sequence 63, Appl1	627	24	57.1	434	1	US-07-679-052A-15	Sequence 15, Appl1
555	24	57.1	338	2	US-10-152-886-61	Sequence 61, Appl1	628	24	57.1	434	1	US-07-952-817-9	Sequence 9, Appl1
556	24	57.1	340	2	US-09-739-455-6	Sequence 6, Appl1	629	24	57.1	434	1	US-07-952-817-14	Sequence 14, Appl1
557	24	57.1	340	2	US-09-739-455-16	Sequence 16, Appl1	630	24	57.1	434	6	5210025-7	Patent No. 5210025
558	24	57.1	340	2	US-10-153-919-6	Sequence 6, Appl1	631	24	57.1	434	6	5210025-2	Patent No. 5210025
559	24	57.1	340	2	US-10-153-919-16	Sequence 16, Appl1	632	24	57.1	438	1	US-07-679-052A-17	Sequence 17, Appl1
560	24	57.1	344	2	US-09-578-515-2	Sequence 2, Appl1	633	24	57.1	438	2	US-09-963-791-22	Sequence 22, Appl1
561	24	57.1	345	2	US-09-134-000C-4739	Sequence 4739, Ap	634	24	57.1	438	2	US-10-419-276-22	Sequence 22, Appl1
562	24	57.1	346	2	US-09-710-279-504	Sequence 504, App	635	24	57.1	445	2	US-09-543-681A-8687	Sequence 8687, Ap
563	24	57.1	348	2	US-09-543-681A-5845	Sequence 5845, Ap	636	24	57.1	447	2	US-09-252-991A-20563	Sequence 20563, A
564	24	57.1	356	2	US-09-540-236-3199	Sequence 3199, Ap	637	24	57.1	447	2	US-09-610-104C-2	Sequence 2, Appl1
565	24	57.1	356	2	US-09-963-791-20	Sequence 20, Appl1	638	24	57.1	447	2	US-09-610-104C-11	Sequence 11, Appl1
566	24	57.1	356	2	US-10-419-276-20	Sequence 20, Appl1	639	24	57.1	448	2	US-09-461-474-8	Sequence 8, Appl1
567	24	57.1	358	2	US-09-252-991A-30170	Sequence 30170, A	640	24	57.1	452	1	US-08-686-599A-18	Sequence 18, Appl1
568	24	57.1	358	2	US-09-198-452A-1133	Sequence 1133, Ap	641	24	57.1	456	2	US-09-976-594-584	Sequence 584, App
569	24	57.1	365	2	US-09-438-185A-1059	Sequence 1059, Ap	642	24	57.1	458	2	US-09-252-991A-26984	Sequence 26984, A
570	24	57.1	368	2	US-09-328-352-7910	Sequence 7910, Ap	643	24	57.1	459	2	US-09-489-039A-9027	Sequence 9027, Ap
571	24	57.1	374	1	US-08-928-692-51	Sequence 51, Appl1	644	24	57.1	459	2	US-09-370-767-45471	Sequence 45471, A
572	24	57.1	374	2	US-09-339-872-51	Sequence 51, Appl1	645	24	57.1	460	2	US-09-543-681A-6789	Sequence 6789, Ap
573	24	57.1	375	2	US-09-622-439-2	Sequence 2, Appl1	646	24	57.1	465	2	US-09-538-092-877	Sequence 877, App
574	24	57.1	375	2	US-10-318-142-2	Sequence 2, Appl1	647	24	57.1	466	2	US-09-215-221-24	Sequence 24, Appl1
575	24	57.1	375	2	US-09-875-076-16	Sequence 16, Appl1	648	24	57.1	466	2	US-09-610-401-3	Sequence 3, Appl1
576	24	57.1	377	2	US-09-622-439-22	Sequence 22, Appl1	649	24	57.1	466	2	US-09-610-401-4	Sequence 4, Appl1
577	24	57.1	377	2	US-10-318-142-22	Sequence 22, Appl1	650	24	57.1	466	2	US-09-167-206-12	Sequence 12, Appl1
578	24	57.1	378	2	US-09-949-016-8733	Sequence 8733, Ap	651	24	57.1	466	2	US-09-949-016-6351	Sequence 6351, Ap
579	24	57.1	382	1	US-07-768-286B-6	Sequence 6, Appl1	652	24	57.1	467	1	US-08-056-051-6	Sequence 6, Appl1
580	24	57.1	382	1	US-08-487-823B-3	Sequence 3, Appl1	653	24	57.1	467	1	US-07-928-611-22	Sequence 22, Appl1
581	24	57.1	382	1	US-08-997-040-3	Sequence 3, Appl1	654	24	57.1	467	1	US-08-487-811A-22	Sequence 22, Appl1
582	24	57.1	382	1	US-09-203-237-3	Sequence 3, Appl1	655	24	57.1	467	1	US-08-686-599A-17	Sequence 17, Appl1
583	24	57.1	383	2	US-09-270-767-43515	Sequence 43515, A	656	24	57.1	467	2	US-09-060-694-22	Sequence 22, Appl1
584	24	57.1	383	2	US-09-710-279-2026	Sequence 2026, Ap	657	24	57.1	467	2	US-09-378-074-22	Sequence 22, Appl1
585	24	57.1	385	2	US-08-475-742-2	Sequence 2, Appl1	658	24	57.1	467	2	US-09-248-796A-11536	Sequence 17536, A
586	24	57.1	385	2	US-08-261-293-2	Sequence 2, Appl1	659	24	57.1	468	2	PCT-US93-07370-22	Sequence 22, Appl1
587	24	57.1	387	1	US-07-626-618A-17	Sequence 17, Appl1	660	24	57.1	468	2	US-09-149-476-387	Sequence 387, App
588	24	57.1	387	1	US-08-086-439C-3	Sequence 3, Appl1	661	24	57.1	468	2	US-09-963-791-6	Sequence 6, Appl1
589	24	57.1	387	1	US-08-056-051-18	Sequence 18, Appl1	662	24	57.1	468	2	US-10-419-276-6	Sequence 6, Appl1
590	24	57.1	387	1	US-07-928-611-18	Sequence 18, Appl1	663	24	57.1	471	2	US-09-949-016-10880	Sequence 10880, A
591	24	57.1	387	1	US-08-333-977-17	Sequence 17, Appl1	664	24	57.1	475	2	US-09-949-016-6067	Sequence 6067, Ap
592	24	57.1	387	1	US-08-434-877-3	Sequence 3, Appl1	665	24	57.1	477	1	US-07-969-267B-3	Sequence 3, Appl1
593	24	57.1	387	1	US-08-487-811A-18	Sequence 18, Appl1	666	24	57.1	477	2	US-09-168-510-3	Sequence 3, Appl1
594	24	57.1	387	2	US-08-475-742-4	Sequence 4, Appl1	667	24	57.1	477	2	US-09-328-352-7765	Sequence 7765, Ap
595	24	57.1	387	2	US-09-060-694-18	Sequence 18, Appl1	668	24	57.1	477	2	US-09-489-039A-9312	Sequence 9312, Ap
596	24	57.1	387	2	US-09-378-074-18	Sequence 18, Appl1	669	24	57.1	477	2	US-10-277-078-3	Sequence 3, Appl1
597	24	57.1	387	2	US-08-261-293-4	Sequence 4, Appl1	670	24	57.1	480	2	US-09-489-039A-9157	Sequence 9157, Ap
598	24	57.1	387	4	PCT-US93-07370-18	Sequence 43765, A	671	24	57.1	484	1	US-08-597-23-6	Sequence 2, Appl1
599	24	57.1	387	4	PCT-US93-07370-18	Sequence 43765, A	672	24	57.1	484	1	US-08-746-682A-2	Sequence 2, Appl1
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601	24	57.1	392	1	US-07-768-286B-4	Sequence 4, Appl1	674	24	57.1	493	1	US-08-686-599A-5	Sequence 5, Appl1
602	24	57.1	394	2	US-09-248-796A-18651	Sequence 18651, A	675	24	57.1	493	1	US-08-686-599A-16	Sequence 16, Appl1
603	24	57.1	400	2	US-09-134-001C-2912	Sequence 2912, Ap	676	24	57.1	497	1	US-08-570-311-2	Sequence 2, Appl1
604	24	57.1	405	1	US-08-477-112-7	Sequence 7, Appl1	677	24	57.1	497	1	US-08-353-485-2	Sequence 2, Appl1
605	24	57.1	405	1	US-08-477-112-7	Sequence 7, Appl1	678	24	57.1	500	2	US-09-499-302A-5	Sequence 5, Appl1
606	24	57.1	405	4	PCT-US93-08322-7	Sequence 7, Appl1	679	24	57.1	504	2	US-09-949-016-7935	Sequence 7935, Ap
607	24	57.1	405	4	PCT-US93-08322-7	Sequence 7, Appl1	680	24	57.1	506	2	US-09-949-016-7650	Sequence 7650, Ap
608	24	57.1	412	2	US-09-489-039A-11559	Sequence 11559, A	681	24	57.1	507	2	US-09-963-791-10	Sequence 10, Appl1
609	24	57.1	412	2	US-09-640-211A-2258	Sequence 2258, Ap	682	24	57.1	507	2	US-10-419-276-18	Sequence 18, Appl1
610	24	57.1	415	1	US-07-911-531-19	Sequence 19, Appl1	683	24	57.1	508	2	US-09-858-664A-18	Sequence 18, Appl1
611	24	57.1	415	1	US-07-693-636A-19	Sequence 19, Appl1	684	24	57.1	508	2	US-09-858-664A-18	Sequence 18, Appl1

685	24	57.1	508	2	US-10-274-978-19	Sequence 19, Appl	758	24	57.1	974	2	US-09-538-092-679	Sequence 679, App
686	24	57.1	508	2	US-10-697-263-19	Sequence 19, Appl	759	24	57.1	989	2	US-09-252-991A-17435	Sequence 17435, A
687	24	57.1	512	2	US-09-107-532A-6559	Sequence 6559, Ap	760	24	57.1	1003	2	US-09-198-452A-17	Sequence 17, Appl
688	24	57.1	517	2	US-10-104-047-2679	Sequence 2679, Ap	761	24	57.1	1003	2	US-09-438-185A-8	Sequence 8, Appl
689	24	57.1	523	2	US-09-328-352-6394	Sequence 6394, Ap	762	24	57.1	1020	2	US-09-538-092-911	Sequence 911, App
690	24	57.1	523	2	US-09-328-352-6395	Sequence 6395, Ap	763	24	57.1	1024	2	US-09-562-737-86	Sequence 86, Appl
691	24	57.1	523	2	US-10-104-047-2046	Sequence 2046, Ap	764	24	57.1	1081	2	US-09-369-364A-17	Sequence 17, Appl
692	24	57.1	542	2	US-09-949-016-10805	Sequence 10805, A	765	24	57.1	1104	2	US-09-981-953A-4	Sequence 4, Appl
693	24	57.1	543	2	US-09-270-767-35624	Sequence 35624, A	766	24	57.1	1132	2	US-09-949-002-37	Sequence 372, App
694	24	57.1	543	2	US-09-270-767-50841	Sequence 50841, A	767	24	57.1	1135	2	US-09-949-016-10393	Sequence 10393, A
695	24	57.1	549	2	US-09-252-991A-28548	Sequence 28548, A	768	24	57.1	1137	2	US-09-949-002-542	Sequence 542, App
696	24	57.1	549	2	US-09-673-395A-208	Sequence 208, App	769	24	57.1	1139	1	US-08-537-210A-4	Sequence 4, Appl
697	24	57.1	549	2	US-09-673-395A-564	Sequence 564, App	770	24	57.1	1139	1	US-09-113-825-4	Sequence 4, Appl
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995 23 54.8 235 2 US-09-543-681A-6119 Sequence 6119, Ap
996 23 54.8 236 2 US-09-489-039A-14193 Sequence 14193, A
997 23 54.8 238 2 US-09-252-991A-21314 Sequence 21314, A
998 23 54.8 239 2 US-09-465-558-58 Sequence 58, Appl
999 23 54.8 239 2 US-09-248-796A-18574 Sequence 18574, A
1000 23 54.8 241 2 US-09-915-789A-11 Sequence 11, Appl
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## ALIGNMENTS

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RESULT 1
US-09-308-935-2
; Sequence 2, Application US/09308935
; Patent No. 6268334
```

```
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-2
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Query Match 100.0%; Score 42; DB 2; Length 9;
Best Local Similarity 100.0%; Pred. No. 4.6e+05;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 1 NVLMANNII 9
Db 1 NVLMANNII 9
```

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RESULT 2
US-09-308-935-5
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; Sequence 5, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
```

```
; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-5
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Query Match 100.0%; Score 42; DB 2; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.024;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 NVLMANNII 9
Db 7 NVLMANNII 15
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RESULT 3
US-08-428-131-13
; Sequence 13, Application US/08428131
; Patent No. 5863757
```

```
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas Barrie
; TITLE OF INVENTION: Transcription Factor DP-1
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Nixon & Vanderhye
; STREET: 1100 No. 5863757th Glebe Road, 8th Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/428,131
; FILING DATE: 23-JUN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Arthur R. Crawford
; REGISTRATION NUMBER: 25,327
; REFERENCE/DOCKET NUMBER: 117-181
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULAR TYPE: protein
US-08-428-131-13
```

```
Query Match 100.0%; Score 42; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 0.024;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 1 NVLMANNII 9
Db 8 NVLMANNII 16
```



RESULT 4  
US-09-078-596-13  
; Sequence 13, Application US/09078596  
; Patent No. 615016  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas Barile  
; TITLE OF INVENTION: Transcription Factor DP-1  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Nixon & Vanderhye  
; STREET: 1100 No. 615016th Glebe Road, 8th Floor  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22201-4714  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25 (ERO)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/078,596  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/428,131  
; FILING DATE: 23-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Arthur R. Crawford  
; REGISTRATION NUMBER: 25,327  
; REFERENCE/DOCKET NUMBER: 117-181  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703) 816-4000  
; TELEFAX: (703) 816-4100  
; INFORMATION FOR SEQ ID NO: 13:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 17 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULAR TYPE: protein  
US-09-078-596-13  
Query Match 100.0%; Score 42; DB 2; Length 17;  
Best Local Similarity 100.0%; Pred. No. 0.024;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 NVLMAMNII 9  
Db 8 NVLMAMNII 16  
RESULT 5  
US-09-308-935-3  
; Sequence 3, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandara, Lasantha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308,935  
; EARLIER FILING DATE: 1999-05-27  
; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
; EARLIER FILING DATE: 1997-12-22  
; EARLIER APPLICATION NUMBER: GB 9626589.7  
; EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 3  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence

FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-3  
Query Match 100.0%; Score 42; DB 2; Length 19;  
Best Local Similarity 100.0%; Pred. No. 0.027;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 NVLMAMNII 9  
Db 9 NVLMAMNII 17  
RESULT 6  
US-09-308-935-16  
; Sequence 16, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandara, Lasantha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308,935  
; EARLIER FILING DATE: 1999-05-27  
; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
; EARLIER FILING DATE: 1997-12-22  
; EARLIER APPLICATION NUMBER: GB 9626589.7  
; EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 16  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-308-935-16  
Query Match 100.0%; Score 42; DB 2; Length 19;  
Best Local Similarity 100.0%; Pred. No. 0.027;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 NVLMAMNII 9  
Db 9 NVLMAMNII 17  
RESULT 7  
US-09-308-935-4  
; Sequence 4, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandara, Lasantha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308,935  
; EARLIER FILING DATE: 1999-05-27  
; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
; EARLIER FILING DATE: 1997-12-22  
; EARLIER APPLICATION NUMBER: GB 9626589.7  
; EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 4  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-4  
Query Match 100.0%; Score 42; DB 2; Length 20;

Best Local Similarity 100.0%; Pred. No. 0.029;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 1 NVLMANNII 9

RESULT 8

US-09-269-576G-3  
Sequence 3, Application US/09269576G  
Patent No. 6713449

GENERAL INFORMATION:  
APPLICANT: Shubata, Kenji  
APPLICANT: Yamasaki, Motoo  
APPLICANT: Yoshida, Tetsuo  
APPLICANT: Mizukami, Tamio  
TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
FILE REFERENCE: 766.29  
CURRENT APPLICATION NUMBER: US/09/269,576G  
CURRENT FILING DATE: 1999-03-30  
PRIOR APPLICATION NUMBER: PCT/JP97/03442  
PRIOR FILING DATE: 1997-09-26  
PRIOR APPLICATION NUMBER: JP 259432/1996  
PRIOR FILING DATE: 1996-09-30  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: WordPerfect 8  
SEQ ID NO 3  
LENGTH: 28

TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Synthetic  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 1  
OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-asparagine  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 28  
OTHER INFORMATION: Xaa at position 28 representing L-serinamide  
US-09-269-576G-3

Query Match 100.0%; Score 42; DB 2; Length 28;  
Best Local Similarity 100.0%; Pred. No. 0.042;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 19 NVLMANNII 27

RESULT 9

US-09-269-576G-21  
Sequence 21, Application US/09269576G  
Patent No. 6713449

GENERAL INFORMATION:  
APPLICANT: Shubata, Kenji  
APPLICANT: Yamasaki, Motoo  
APPLICANT: Yoshida, Tetsuo  
APPLICANT: Mizukami, Tamio  
TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
FILE REFERENCE: 766.29  
CURRENT APPLICATION NUMBER: US/09/269,576G  
CURRENT FILING DATE: 1999-03-30  
PRIOR APPLICATION NUMBER: PCT/JP97/03442  
PRIOR FILING DATE: 1997-09-26  
PRIOR APPLICATION NUMBER: JP 259432/1996  
PRIOR FILING DATE: 1996-09-30  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: WordPerfect 8  
SEQ ID NO 21  
LENGTH: 28

TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Synthetic  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 1  
OTHER INFORMATION: Xaa at position 1 representing N-lauryl-L-asparagine  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 28  
OTHER INFORMATION: Xaa at position 28 representing L-serinamide  
US-09-269-576G-21

Query Match 100.0%; Score 42; DB 2; Length 28;  
Best Local Similarity 100.0%; Pred. No. 0.042;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 19 NVLMANNII 27

RESULT 10

US-09-269-576G-22  
Sequence 22, Application US/09269576G  
Patent No. 6713449

GENERAL INFORMATION:  
APPLICANT: Shubata, Kenji  
APPLICANT: Yamasaki, Motoo  
APPLICANT: Yoshida, Tetsuo  
APPLICANT: Mizukami, Tamio  
TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
FILE REFERENCE: 766.29  
CURRENT APPLICATION NUMBER: US/09/269,576G  
CURRENT FILING DATE: 1999-03-30  
PRIOR APPLICATION NUMBER: PCT/JP97/03442  
PRIOR FILING DATE: 1997-09-26  
PRIOR APPLICATION NUMBER: JP 259432/1996  
PRIOR FILING DATE: 1996-09-30  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: WordPerfect 8  
SEQ ID NO 22  
LENGTH: 28  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Synthetic  
US-09-269-576G-22

Query Match 100.0%; Score 42; DB 2; Length 28;  
Best Local Similarity 100.0%; Pred. No. 0.042;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 19 NVLMANNII 27

RESULT 11

US-09-269-576G-24  
Sequence 24, Application US/09269576G  
Patent No. 6713449

GENERAL INFORMATION:  
APPLICANT: Shubata, Kenji  
APPLICANT: Yamasaki, Motoo  
APPLICANT: Yoshida, Tetsuo  
APPLICANT: Mizukami, Tamio  
TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
FILE REFERENCE: 766.29  
CURRENT APPLICATION NUMBER: US/09/269,576G  
CURRENT FILING DATE: 1999-03-30  
PRIOR APPLICATION NUMBER: PCT/JP97/03442

; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 24  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-09-269-5766-24

Query Match 100.0%; Score 42; DB 2; Length 28;  
Best Local Similarity 100.0%; Pred. No. 0.042;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
DB 19 NVLMANNII 27

RESULT 12  
US-09-308-935-6  
; Sequence 6, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308, 935  
; EARLIER FILING DATE: 1999-05-27  
; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
; EARLIER FILING DATE: 1997-12-22  
; EARLIER APPLICATION NUMBER: GB 9626589.7  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 6  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-6

Query Match 100.0%; Score 42; DB 2; Length 30;  
Best Local Similarity 100.0%; Pred. No. 0.045;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
DB 5 NVLMANNII 13

RESULT 13  
US-09-308-935-1  
; Sequence 1, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308, 935  
; EARLIER FILING DATE: 1999-05-27  
; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
; EARLIER FILING DATE: 1997-12-22  
; EARLIER APPLICATION NUMBER: GB 9626589.7  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1  
; LENGTH: 37  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-1

Query Match 100.0%; Score 42; DB 2; Length 37;  
Best Local Similarity 100.0%; Pred. No. 0.057;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
DB 12 NVLMANNII 20

RESULT 14  
US-08-428-131-11  
; Sequence 11, Application US/08428131  
; Patent No. 5863757  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas Barrie  
; TITLE OF INVENTION: Transcription Factor DP-1  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Nixon & Vanderhye  
; STREET: 1100 No. 5863757th Glebe Road, 8th Floor  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22201-4714  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (BPO)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/428,131  
; FILING DATE: 23-JUN-1995  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Archur R. Crawford  
; REGISTRATION NUMBER: 25,327  
; REFERENCE/DOCKET NUMBER: 117-181  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703) 816-4000  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 72 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULAR TYPE: protein  
US-08-428-131-11

Query Match 100.0%; Score 42; DB 1; Length 72;  
Best Local Similarity 100.0%; Pred. No. 0.12;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
DB 15 NVLMANNII 23

RESULT 15  
US-09-078-596-11  
; Sequence 11, Application US/09078596  
; Patent No. 615016  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas Barrie  
; TITLE OF INVENTION: Transcription Factor DP-1

NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Nixon & Vanderhye  
STREET: 1100 No. 6150116th Glebe Road, 8th Floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/078,596  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,337  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 72 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-078-596-11

Query Match 100.0%; Score 42; DB 2; Length 72;  
Best Local Similarity 100.0%; Pred. No. 0.12;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 15 NVLMANNII 23

RESULT 16  
US-08-894-139-10  
Sequence 10, Application US/08894139  
Patent No. 6448376  
GENERAL INFORMATION:  
APPLICANT: LA THANGUE, NICHOLAS B.  
APPLICANT: BERNARDS, RENE  
APPLICANT: HUMANS, ELEANORE M.  
TITLE OF INVENTION: TRANSCRIPTION FACTOR E2F-5  
NUMBER OF SEQUENCES: 25  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 NORTH GLEBE ROAD  
CITY: ARLINGTON  
STATE: VIRGINIA  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/894,139  
FILING DATE: 13-AUG-1997  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: WILSON, MARY J.

REGISTRATION NUMBER: 32,955  
REFERENCE/DOCKET NUMBER: 620-22  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 74 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-894-139-10

Query Match 100.0%; Score 42; DB 2; Length 74;  
Best Local Similarity 100.0%; Pred. No. 0.12;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 54 NVLMANNII 62

RESULT 17  
US-09-949-016-9220  
Sequence 9220, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CL001307  
CURRENT APPLICATION NUMBER: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: PaacSeq for Windows Version 4.0  
SEQ ID NO 9220  
LENGTH: 331  
TYPE: PRT  
ORGANISM: Human  
US-09-949-016-9220

Query Match 100.0%; Score 42; DB 2; Length 331;  
Best Local Similarity 100.0%; Pred. No. 0.67;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 159 NVLMANNII 167

RESULT 18  
US-08-723-415B-4  
Sequence 4, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: Lathangue, Nicholas B.  
APPLICANT: delaluna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOMORPHS  
THEREOF  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA

ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4100  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 369 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULAR TYPE: protein  
US-08-723-415B-4

Query Match 100.0%; Score 42; DB 1; Length 369;  
Best Local Similarity 100.0%; Pred. No. 0.76;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 112 NVLMANNII 120

RESULT 19  
US-09-189-627A-4  
Sequence 4, Application US/09189627A  
Patent No. 6159691  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
APPLICANT: de la Luna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/189,627A  
CURRENT FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 4  
LENGTH: 369  
TYPE: PRT  
ORGANISM: mouse  
US-09-189-627A-4

Query Match 100.0%; Score 42; DB 2; Length 369;  
Best Local Similarity 100.0%; Pred. No. 0.76;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 112 NVLMANNII 120

RESULT 20  
US-09-710-861-4  
Sequence 4, Application US/09710861  
Patent No. 6387649

GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
APPLICANT: de la Luna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/710,861  
CURRENT FILING DATE: 2000-11-13  
PRIOR APPLICATION NUMBER: US/09/189,627  
PRIOR FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 4  
LENGTH: 369  
TYPE: PRT  
ORGANISM: mouse  
US-09-710-861-4

Query Match 100.0%; Score 42; DB 2; Length 369;  
Best Local Similarity 100.0%; Pred. No. 0.76;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 112 NVLMANNII 120

RESULT 21  
US-08-723-415B-6  
Sequence 6, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: LaThangue, Nicholas B.  
APPLICANT: delaLuna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
TITLE OF INVENTION: THEREOF  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4100  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 370 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULAR TYPE: protein  
US-08-723-415B-6

Query Match 100.0%; Score 42; DB 1; Length 370;  
Best Local Similarity 100.0%; Pred. No. 0.76;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 113 NVLMANNII 121

## RESULT 22

US-09-189-627A-6  
Sequence 6, Application US/09189627A  
Patent No. 6159691  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
APPLICANT: de la Luna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/189,627A  
CURRENT FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 6  
LENGTH: 370  
TYPE: PRT  
ORGANISM: mouse  
US-09-189-627A-6

Query Match 100.0%; Score 42; DB 2; Length 370;  
Best Local Similarity 100.0%; Pred. No. 0.76;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 113 NVLMANNII 121

RESULT 23  
US-09-710-861-6  
Sequence 6, Application US/09710861  
Patent No. 6387649  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
APPLICANT: de la Luna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/710,861  
CURRENT FILING DATE: 2000-11-13  
PRIOR APPLICATION NUMBER: US/09/189,627  
PRIOR FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 6  
LENGTH: 370  
TYPE: PRT  
ORGANISM: mouse  
US-09-710-861-6

Query Match 100.0%; Score 42; DB 2; Length 370;  
Best Local Similarity 100.0%; Pred. No. 0.76;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 113 NVLMANNII 121

Db 113 NVLMANNII 121

## RESULT 24

US-08-723-415B-8  
Sequence 8, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: LaThangue, Nicholas B.  
APPLICANT: delaluna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
TITLE OF INVENTION: THEREOF  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 No. 5859199th Giebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 385 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-723-415B-8

Query Match 100.0%; Score 42; DB 1; Length 385;  
Best Local Similarity 100.0%; Pred. No. 0.79;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 128 NVLMANNII 136

## RESULT 25

US-09-189-627A-8  
Sequence 8, Application US/09189627A  
Patent No. 6159691  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
APPLICANT: de la Luna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/189,627A  
CURRENT FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 8  
LENGTH: 385  
TYPE: PRT  
ORGANISM: mouse  
US-09-189-627A-8

Query Match 100.0%; Score 42; DB 2; Length 385;  
Best Local Similarity 100.0%; Pred. No. 0.79;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
DB 128 NVLMANNII 136

RESULT 26  
US-09-710-861-8  
Sequence 8, Application US/09710861  
Patent No. 6387649  
GENERAL INFORMATION:  
APPLICANT: la Thangue, Nicholas  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT FILING DATE: 2000-11-13  
PRIOR FILING DATE: US/09/189,627  
PRIOR FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 8  
LENGTH: 385  
TYPE: PRT  
ORGANISM: mouse  
US-09-710-861-8

Query Match 100.0%; Score 42; DB 2; Length 385;  
Best Local Similarity 100.0%; Pred. No. 0.79;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
DB 128 NVLMANNII 136

RESULT 27  
US-08-723-415B-10  
Sequence 10, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: Lathangue, Nicholas B.  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B

FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-723-415B-10

Query Match 100.0%; Score 42; DB 1; Length 410;  
Best Local Similarity 100.0%; Pred. No. 0.85;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
DB 174 NVLMANNII 182

RESULT 28  
US-08-723-415B-11  
Sequence 11, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: Lathangue, Nicholas B.  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4100  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein

US-08-723-415B-11

Query Match 100.0%; Score 42; DB 1; Length 410;

Best Local Similarity 100.0%; Pred. No. 0.85; Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9

Db 174 NVLMANNII 182

RESULT 29

US-08-428-131-2

; Sequence 2, Application US/08428131

; Patent No. 5863757

; GENERAL INFORMATION:

; APPLICANT: La Thangue, Nicholas Barrie

; TITLE OF INVENTION: Transcription Factor DP-1

; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESSES:

; ADDRESSEE: Nixon &amp; Vanderhye

; STREET: 1100 No. 5863757th Glebe Road, 8th Floor

; CITY: Arlington

; STATE: Virginia

; COUNTRY: U.S.A.

; ZIP: 22201-4714

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: IBM PC compatible

; SOFTWARE: PC-DOS/MS-DOS

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/428,131

; FILING DATE: 23-JUN-1995

; CLASSIFICATION: 514

; ATTORNEY/AGENT INFORMATION:

; NAME: Arthur R. Crawford

; REGISTRATION NUMBER: 25,327

; REFERENCE/DOCKET NUMBER: 117-181

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703) 816-4000

; TELEFAX: (703) 816-4100

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 410 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-428-131-2

Query Match 100.0%; Score 42; DB 1; Length 410;

Best Local Similarity 100.0%; Pred. No. 0.85; Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9

Db 174 NVLMANNII 182

RESULT 30

US-08-602-846-2

; Sequence 2, Application US/08602846

; Patent No. 5871901

; GENERAL INFORMATION:

; APPLICANT: La Thangue, Nicholas B

; TITLE OF INVENTION: ASSAY FOR INHIBITORS OF DP-1 AND OTHER DP

; NUMBER OF SEQUENCES: 3

; CORRESPONDENCE ADDRESSES:

; ADDRESSEE: Nixon &amp; Vanderhye PC

; STREET: 8th Floor, 1100 No. 5871901th Glebe Road

; CITY: Arlington

; STATE: Virginia

; COUNTRY: U.S.A.

; ZIP: 22201-4714

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: IBM PC compatible

; SOFTWARE: PC-DOS/MS-DOS

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/078,596

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/428,131

; FILING DATE: 23-JUN-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Arthur R. Crawford

; REGISTRATION NUMBER: 25,327

; REFERENCE/DOCKET NUMBER: 117-181

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703) 816-4000

; TELEFAX: (703) 816-4100

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 410 amino acids

; TYPE: amino acid

COUNTRY: USA

ZIP: 22201-4714

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: IBM PC compatible

; SOFTWARE: PC-DOS/MS-DOS

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/602,846

; FILING DATE: 26-FEB-1996

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: CRAWFORD, ARTHUR R.

; REGISTRATION NUMBER: 25,327

; REFERENCE/DOCKET NUMBER: 620-12

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703) 816-4000

; TELEFAX: (703) 816-4100

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 410 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-602-846-2

Query Match 100.0%; Score 42; DB 1; Length 410;

Best Local Similarity 100.0%; Pred. No. 0.85; Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9

Db 174 NVLMANNII 182

RESULT 31

US-09-078-596-2

; Sequence 2, Application US/09078596

; Patent No. 6150116

; GENERAL INFORMATION:

; APPLICANT: La Thangue, Nicholas Barrie

; TITLE OF INVENTION: Transcription Factor DP-1

; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESSES:

; ADDRESSEE: Nixon &amp; Vanderhye

; STREET: 1100 No. 6150116th Glebe Road, 8th Floor

; CITY: Arlington

; STATE: Virginia

; COUNTRY: U.S.A.

; ZIP: 22201-4714

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: IBM PC compatible

; SOFTWARE: PC-DOS/MS-DOS

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/078,596

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/428,131

; FILING DATE: 23-JUN-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Arthur R. Crawford

; REGISTRATION NUMBER: 25,327

; REFERENCE/DOCKET NUMBER: 117-181

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703) 816-4000

; TELEFAX: (703) 816-4100

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 410 amino acids

; TYPE: amino acid



TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-078-596-2

Query Match 100.0%; Score 42; DB 2; Length 410;  
Best Local Similarity 100.0%; Pred. No. 0.85;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 174 NVLMANNII 182

RESULT 32  
US-09-189-627A-10  
; Sequence 10, Application US/09189627A  
; Patent No. 6159691  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/189,627A  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 10  
; LENGTH: 410  
; TYPE: PRT  
; ORGANISM: human  
US-09-189-627A-10

Query Match 100.0%; Score 42; DB 2; Length 410;  
Best Local Similarity 100.0%; Pred. No. 0.85;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 174 NVLMANNII 182

RESULT 33  
US-09-189-627A-11  
; Sequence 11, Application US/09189627A  
; Patent No. 6159691  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/189,627A  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 410  
; TYPE: PRT  
; ORGANISM: mouse  
US-09-189-627A-11

Query Match 100.0%; Score 42; DB 2; Length 410;  
Best Local Similarity 100.0%; Pred. No. 0.85;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9

|||||||  
Db 174 NVLMANNII 182

RESULT 34  
US-09-710-861-10  
; Sequence 10, Application US/09710861  
; Patent No. 6387649  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/710,861  
; PRIOR FILING DATE: 2000-11-13  
; PRIOR APPLICATION NUMBER: US/09/189,627  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 10  
; LENGTH: 410  
; TYPE: PRT  
; ORGANISM: human  
US-09-710-861-10

Query Match 100.0%; Score 42; DB 2; Length 410;  
Best Local Similarity 100.0%; Pred. No. 0.85;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 174 NVLMANNII 182

RESULT 35  
US-09-710-861-11  
; Sequence 11, Application US/09710861  
; Patent No. 6387649  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/710,861  
; PRIOR FILING DATE: 2000-11-13  
; PRIOR APPLICATION NUMBER: US/09/189,627  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 410  
; TYPE: PRT  
; ORGANISM: mouse  
US-09-710-861-11

Query Match 100.0%; Score 42; DB 2; Length 410;  
Best Local Similarity 100.0%; Pred. No. 0.85;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 174 NVLMANNII 182

RESULT 36

US-09-949-016-8808  
 ; Sequence 8808, Application US/09949016  
 ; Patent No. 6812339  
 ; GENERAL INFORMATION:  
 ; APPLICANT: VENTER, J. Craig et al.  
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
 ; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
 ; FILE REFERENCE: CL001307  
 ; CURRENT APPLICATION NUMBER: US/09/949,016  
 ; PRIOR FILING DATE: 2000-04-14  
 ; PRIOR APPLICATION NUMBER: 60/241,755  
 ; PRIOR FILING DATE: 2000-10-20  
 ; PRIOR APPLICATION NUMBER: 60/237,768  
 ; PRIOR FILING DATE: 2000-10-03  
 ; PRIOR APPLICATION NUMBER: 60/231,498  
 ; PRIOR FILING DATE: 2000-09-08  
 ; NUMBER OF SEQ ID NOS: 207012  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 808  
 ; LENGTH: 415  
 ; TYPE: PRT  
 ; ORGANISM: Human  
 ; US-09-949-016-8808

Query Match 100.0%; Score 42; DB 2; Length 415;  
 Best Local Similarity 100.0%; Pred. No. 0.86;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
 Db 179 NVLMANNII 187

RESULT 37  
 ; US-08-723-415B-2  
 ; Sequence 2, Application US/08723415B  
 ; Patent No. 5859199  
 ; GENERAL INFORMATION:  
 ; APPLICANT: LaThangue, Nicholas B.  
 ; APPLICANT: delaluna, Susana  
 ; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
 ; THEREOF  
 ; NUMBER OF SEQUENCES: 21  
 ; CORRESPONDENCE ADDRESSES:  
 ; ADDRESSEE: NIXON & VANDERHAYE P.C.  
 ; STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
 ; City: Arlington  
 ; STATE: VA  
 ; COUNTRY: USA  
 ; ZIP: 22201-4741  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; OPERATING SYSTEM: IBM PC compatible  
 ; SOFTWARE: Patentin Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/723,415B  
 ; FILING DATE: 30-SEP-1996  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: GB 9610195.1  
 ; FILING DATE: 15-MAY-1996  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Crawford, Arthur R.  
 ; REGISTRATION NUMBER: 25,327  
 ; REFERENCE/DOCKET NUMBER: 117-220  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 703-816-4000  
 ; TELEFAX: 703-816-4100  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 446 amino acids  
 ; TYPE: amino acid

TOPOLOGY: linear  
 ; MOLECULAR TYPE: protein  
 ; US-08-723-415B-2

Query Match 100.0%; Score 42; DB 1; Length 446;  
 Best Local Similarity 100.0%; Pred. No. 0.94;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
 Db 189 NVLMANNII 197

RESULT 38  
 ; US-09-189-627A-2  
 ; Sequence 2, Application US/09189627A  
 ; Patent No. 6159691  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Thangue, Nicholas  
 ; APPLICANT: de la Luna, Susana  
 ; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
 ; FILE REFERENCE: 620-54  
 ; CURRENT APPLICATION NUMBER: US/09/189,627A  
 ; PRIOR FILING DATE: 1998-11-10  
 ; PRIOR APPLICATION NUMBER: 08/723,415  
 ; PRIOR FILING DATE: 1996-09-30  
 ; PRIOR APPLICATION NUMBER: GB 9610195  
 ; PRIOR FILING DATE: 1996-05-15  
 ; NUMBER OF SEQ ID NOS: 25  
 ; SOFTWARE: Patentin Ver. 2.0  
 ; SEQ ID NO 2  
 ; LENGTH: 446  
 ; TYPE: PRT  
 ; ORGANISM: mouse  
 ; US-09-189-627A-2

Query Match 100.0%; Score 42; DB 2; Length 446;  
 Best Local Similarity 100.0%; Pred. No. 0.94;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
 Db 189 NVLMANNII 197

RESULT 39  
 ; US-09-710-861-2  
 ; Sequence 2, Application US/09710861  
 ; Patent No. 6387649  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Thangue, Nicholas  
 ; APPLICANT: de la Luna, Susana  
 ; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
 ; FILE REFERENCE: 620-54  
 ; CURRENT APPLICATION NUMBER: US/09/710,861  
 ; PRIOR FILING DATE: 2000-11-13  
 ; PRIOR APPLICATION NUMBER: US/09/189,627  
 ; PRIOR FILING DATE: 1998-11-10  
 ; PRIOR APPLICATION NUMBER: 08/723,415  
 ; PRIOR FILING DATE: 1996-09-30  
 ; PRIOR APPLICATION NUMBER: GB 9610195  
 ; PRIOR FILING DATE: 1996-05-15  
 ; NUMBER OF SEQ ID NOS: 25  
 ; SOFTWARE: Patentin Ver. 2.0  
 ; SEQ ID NO 2  
 ; LENGTH: 446  
 ; TYPE: PRT  
 ; ORGANISM: mouse  
 ; US-09-710-861-2

Query Match 100.0%; Score 42; DB 2; Length 446;  
 Best Local Similarity 100.0%; Pred. No. 0.94;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
| | | | |  
Db 189 NVLMANNII 197

## RESULT 40

US-09-308-935-15  
; Sequence 15, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandara, Lasantha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308,935  
; EARLIER FILING DATE: 1999-05-27  
; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
; EARLIER FILING DATE: 1997-12-22  
; EARLIER APPLICATION NUMBER: GB 9626589.7  
; EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 15  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-308-935-15

Query Match 90.5%; Score 38; DB 2; Length 19;  
Best Local Similarity 88.9%; Pred. No. 0.18;  
Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
| | | | |  
Db 9 NVLMANNII 17

RESULT 41  
US-09-640-211A-1157  
; Sequence 1157, Application US/09640211A  
; Patent No. 6833446  
; GENERAL INFORMATION:  
; APPLICANT: Wood, Marion  
; APPLICANT: Shenk, Michael A.  
; APPLICANT: McGrath, Annette  
; APPLICANT: Glenn, Matthew  
; TITLE OF INVENTION: Compositions and Methods for the  
; TITLE OF INVENTION: Modification of Gene Transcription  
; FILE REFERENCE: 11000.1021CIU  
; CURRENT APPLICATION NUMBER: US/09/640,211A  
; CURRENT FILING DATE: 2000-08-16  
; NUMBER OF SEQ ID NOS: 2368  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1157  
; LENGTH: 119  
; TYPE: PRT  
; ORGANISM: Pinus radiata  
US-09-640-211A-1157

Query Match 88.1%; Score 37; DB 2; Length 119;  
Best Local Similarity 88.9%; Pred. No. 2.2;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
| | | | |  
Db 82 NVLMANNII 90

RESULT 42  
US-09-640-211A-1056

; Sequence 1056, Application US/09640211A  
; Patent No. 6833446  
; GENERAL INFORMATION:  
; APPLICANT: Wood, Marion  
; APPLICANT: Shenk, Michael A.  
; APPLICANT: McGrath, Annette  
; APPLICANT: Glenn, Matthew  
; TITLE OF INVENTION: Compositions and Methods for the  
; TITLE OF INVENTION: Modification of Gene Transcription  
; FILE REFERENCE: 11000.1021CIU  
; CURRENT APPLICATION NUMBER: US/09/640,211A  
; CURRENT FILING DATE: 2000-08-16  
; NUMBER OF SEQ ID NOS: 2368  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1056  
; LENGTH: 120  
; TYPE: PRT  
; ORGANISM: Pinus radiata  
US-09-640-211A-1056

Query Match 88.1%; Score 37; DB 2; Length 120;  
Best Local Similarity 88.9%; Pred. No. 2.3;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
| | | | |  
Db 81 NVLMANNII 89

RESULT 43  
US-09-308-935-17  
; Sequence 17, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandara, Lasantha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308,935  
; EARLIER FILING DATE: 1999-05-27  
; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
; EARLIER FILING DATE: 1997-12-22  
; EARLIER APPLICATION NUMBER: GB 9626589.7  
; EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: Patent Ver. 2.1  
; SEQ ID NO 17  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-308-935-17

Query Match 85.7%; Score 36; DB 2; Length 19;  
Best Local Similarity 88.9%; Pred. No. 0.46;  
Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
| | | | |  
Db 9 NVLMANNII 17

RESULT 44  
US-09-308-935-11  
; Sequence 11, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandara, Lasantha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308,935

;; CURRENT FILING DATE: 1999-05-27  
;; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
;; EARLIER FILING DATE: 1997-12-22  
;; EARLIER APPLICATION NUMBER: GB 9626589.7  
;; NUMBER OF SEQ ID NOS: 18  
;; SOFTWARE: Patentin Ver. 2.1  
;; SEQ ID NO 11  
;; LENGTH: 14  
;; TYPE: PRT  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-11

Query Match 81.0%; Score 34; DB 2; Length 14;  
Best Local Similarity 100.0%; Pred. No. 0.83;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANN 7  
Db 8 NVLMANN 14

RESULT 45  
US-08-194-338-14  
;; Sequence 14, Application US/08194338  
;; Patent No. 5474898  
;; GENERAL INFORMATION:  
;; APPLICANT: Venter, John C.  
;; APPLICANT: Fraser, Claire M.  
;; APPLICANT: McCombie, William R.  
;; TITLE OF INVENTION: OCTOPAMINE RECEPTOR  
;; NUMBER OF SEQUENCES: 16  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Knobbe, Martens, Olson and Bear  
;; STREET: 620 Newport Center Drive, Sixteenth Floor  
;; CITY: Newport Beach  
;; STATE: CA  
;; COUNTRY: USA  
;; ZIP: 92660  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: Patentin Release #1.0, Version #1.25  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/194,338  
;; FILING DATE: 08-FEB-1994  
;; CLASSIFICATION: 435  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 07/676,174  
;; FILING DATE: 28-MAR-1991  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Iseraelson, Ned A.  
;; REGISTRATION NUMBER: 29,655  
;; REFERENCE/DOCKET NUMBER: NIH01.001DVI  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (619) 235-8550  
;; TELEFAX: (619) 235-0176  
;; INFORMATION FOR SEQ ID NO: 14:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 63 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide  
;; HYPOTHEICAL: NO  
;; ANTI-SENSE: NO  
;; FRAGMENT TYPE: internal  
US-08-194-338-14

Query Match 78.6%; Score 33; DB 1; Length 63;

Best Local Similarity 66.7%; Pred. No. 7.2;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 3 NVLMANNII 11

RESULT 46  
US-09-252-991A-22990  
;; Sequence 22990, Application US/09252991A  
;; Patent No. 6551795  
;; GENERAL INFORMATION:  
;; APPLICANT: Marc J. Rubenfield et al.  
;; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
;; FILE REFERENCE: 107196.136  
;; CURRENT APPLICATION NUMBER: US/09/252,991A  
;; CURRENT FILING DATE: 1999-02-18  
;; PRIOR APPLICATION NUMBER: US 60/074,788  
;; PRIOR FILING DATE: 1998-02-18  
;; PRIOR APPLICATION NUMBER: US 60/094,190  
;; PRIOR FILING DATE: 1998-07-27  
;; NUMBER OF SEQ ID NOS: 33142  
;; SEQ ID NO 22990  
;; LENGTH: 387  
;; TYPE: PRT  
;; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-22990

Query Match 76.2%; Score 32; DB 2; Length 387;  
Best Local Similarity 66.7%; Pred. No. 89;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 187 NVLMANNII 195

RESULT 47  
US-09-269-576G-26  
;; Sequence 26, Application US/09269576G  
;; Patent No. 6713449  
;; GENERAL INFORMATION:  
;; APPLICANT: Shubata, Kenji  
;; APPLICANT: Yamasaki, Motoo  
;; APPLICANT: Yoshida, Tetsuo  
;; APPLICANT: Mizukami, Tamio  
;; TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
;; FILE REFERENCE: 766.29  
;; CURRENT APPLICATION NUMBER: US/09/269,576G  
;; CURRENT FILING DATE: 1999-03-30  
;; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
;; PRIOR FILING DATE: 1997-09-26  
;; PRIOR APPLICATION NUMBER: JP 259432/1996  
;; PRIOR FILING DATE: 1996-09-30  
;; NUMBER OF SEQ ID NOS: 27  
;; SOFTWARE: WordPerfect 8  
;; SEQ ID NO 26  
;; LENGTH: 29  
;; TYPE: PRT  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Synthetic  
;; NAME/KEY: Modified-site  
;; LOCATION: 1-10 and 26-29  
;; OTHER INFORMATION: any one or all of amino acids 1-10 and 26-29 may be present or absent  
;; NAME/KEY: Modified-site  
;; LOCATION: 1  
;; OTHER INFORMATION: Xaa at position 1 represents Asn, Thr, Ala or Tyr  
;; FEATURE:

```
/ NAME/KEY: Modified-site
/ LOCATION: 2
/ OTHER INFORMATION: Xaa at position 2 represents Glu or Asp
/ FEATURE:
/ NAME/KEY: Modified-site
/ LOCATION: 3
/ OTHER INFORMATION: Xaa at position 3 represents Ser or Asn
/ FEATURE:
/ NAME/KEY: Modified-site
/ LOCATION: 5
/ OTHER INFORMATION: Xaa at position 5 represents Ala or Asn
/ FEATURE:
/ NAME/KEY: Modified-site
/ LOCATION: 6
/ OTHER INFORMATION: Xaa at position 6 represents Tyr or Cys
/ FEATURE:
/ NAME/KEY: Modified-site
/ LOCATION: 9
/ OTHER INFORMATION: Xaa at position 9 represents Lys or Glu
/ FEATURE:
/ NAME/KEY: Modified-site
/ LOCATION: 25
/ OTHER INFORMATION: Xaa at position 25 represents Met or Ile
/ FEATURE:
/ NAME/KEY: Modified-site
/ LOCATION: 27
/ OTHER INFORMATION: Xaa at position 27 represents Ile or Val
US-09-269-5766-26
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```
Query Match 73.8%; Score 31; DB 2; Length 29;
Best Local Similarity 77.8%; Pred. No. 7.7;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1 NVLMAMNII 9
DB 20 NVLMAMNXXI 28
```

```
RESULT 48
US-09-270-767-37330
/ Sequence 37330, Application US/09270767
/ Patent No. 6703491
/ GENERAL INFORMATION:
/ APPLICANT: Homburger et al.
/ TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
/ FILE REFERENCE: File Reference: 7326-094
/ CURRENT APPLICATION NUMBER: US/09/270,767
/ NUMBER OF SEQ ID NOS: 62517
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 37330
/ LENGTH: 150
/ TYPE: PRT
/ ORGANISM: Drosophila melanogaster
/ FEATURE:
/ OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-37330
```

```
Query Match 71.4%; Score 30; DB 2; Length 150;
Best Local Similarity 66.7%; Pred. No. 78;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
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```
QY 1 NVLMAMNII 9
DB 10 NVLMAPMLI 18
```

```
RESULT 49
US-09-270-767-52547
/ Sequence 52547, Application US/09270767
/ Patent No. 6703491
/ GENERAL INFORMATION:
/ APPLICANT: Homburger et al.
```

```
/ TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
/ FILE REFERENCE: File Reference: 7326-094
/ CURRENT APPLICATION NUMBER: US/09/270,767
/ CURRENT FILING DATE: 1999-03-17
/ NUMBER OF SEQ ID NOS: 62517
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 52547
/ LENGTH: 150
/ TYPE: PRT
/ ORGANISM: Drosophila melanogaster
/ FEATURE:
/ OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-52547
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```
Query Match 71.4%; Score 30; DB 2; Length 150;
Best Local Similarity 66.7%; Pred. No. 78;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1 NVLMAMNII 9
DB 10 NVLMAPMLI 18
```

```
RESULT 50
US-09-902-540-16036
/ Sequence 16036, Application US/0902540
/ Patent No. 6833447
/ GENERAL INFORMATION:
/ APPLICANT: Goldman, Barry S.
/ APPLICANT: Hinkle, Gregory J.
/ APPLICANT: Slater, Steven C.
/ APPLICANT: Miegand, Roger C.
/ TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
/ FILE REFERENCE: 38-10(15849)B
/ CURRENT APPLICATION NUMBER: US/09/902,540
/ CURRENT FILING DATE: 2001-07-10
/ PRIOR APPLICATION NUMBER: 60/217,883
/ PRIOR FILING DATE: 2000-07-10
/ NUMBER OF SEQ ID NOS: 16825
/ SEQ ID NO 16036
/ LENGTH: 176
/ TYPE: PRT
/ ORGANISM: Myxococcus xanthus
US-09-902-540-16036
```

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Query Match 71.4%; Score 30; DB 2; Length 176;
Best Local Similarity 71.4%; Pred. No. 94;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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QY 1 NVLMAMN 7
DB 146 NITLMALN 152
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OM protein - protein search, using sw model

Run on: March 17, 2006, 20:47:42 ; Search time 14.881 Seconds  
(without alignments)  
71.148 Million cell updates/sec

Title: US-09-900-147-1

Sequence: 1 KNIRRRVYDALNVLAMNIISKEKEIKWIGLPTNSA 37

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 169630 seqs, 28622889 residues

Total number of hits satisfying chosen parameters: 169630

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Minimum DB seq length: 0
Maximum DB seq length: 2000000000
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Post-processing:	Minimum Match	0%
	Maximum Match	100%

**Listing first 45 summaries**

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Published Applications AA NewM:*
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2: /cgn2_6/pdcatara/1/pubppaa/US06_NEM_PUB_dep:
3: /cgn2_6/pdcatara/1/pubppaa/US07_NEM_PUB_dep:
4: /cgn2_6/pdcatara/1/pubppaa/PCT_NEM_PUB_dep:*
5: /cgn2_6/pdcatara/1/pubppaa/US09_NEM_PUB_dep:
6: /cgn2_6/pdcatara/1/pubppaa/US10_NEM_PUB_dep:
7: /cgn2_6/pdcatara/1/pubppaa/US11_NEM_PUB_dep:
8: /cgn2_6/pdcatara/1/pubppaa/US12_NEM_PUB_dep:
9: /cgn2_6/pdcatara/1/pubppaa/US13_NEM_PUB_dep:
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**Pred. No.** is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	151	81.2	318	7	US-11-060-029-21
2	151	81.2	344	7	US-11-060-029-15
3	151	81.2	346	7	US-11-060-029-19
4	151	81.2	385	7	US-11-060-029-2
5	151	81.2	386	7	US-11-060-029-13
6	151	81.2	413	7	US-11-060-029-4
7	150	80.6	379	7	US-11-060-029-17
8	148	79.6	353	7	US-11-060-029-23
9	72.5	39.0	281	6	US-11-067-648A-12
10	72	38.7	384	7	US-11-096-568A-2816
11	72	38.7	384	7	US-11-096-568A-2817
12	72	38.7	385	7	US-11-096-568A-2815
13	71.5	38.4	121	6	US-10-967-648A-16
14	71.5	38.4	437	6	US-10-967-648A-2
15	70.5	37.9	85	6	US-10-863-093-5
16	69.5	37.4	437	6	US-10-967-648A-4
17	68.5	36.8	425	7	US-11-096-568A-18168
18	68.5	36.8	444	7	US-11-096-568A-18167
19	68.5	36.8	455	6	US-10-967-648A-6
20	68.5	36.8	516	6	US-11-096-568A-18166
21	66.5	35.8	207	7	US-11-096-568A-20252
22	66.5	35.8	278	7	US-11-096-568A-20251
23	66.5	35.8	287	7	US-11-096-568A-20250
24	66.5	35.8	346	6	US-10-967-648A-10
25	65.5	35.2	76	6	US-10-863-093-6
					Sequence 21, Appl
					Sequence 15, Appl
					Sequence 19, Appl
					Sequence 2, Appl
					Sequence 13, Appl
					Sequence 4, Appl
					Sequence 17, Appl
					Sequence 23, Appl
					Sequence 12, Appl
					Sequence 2816, Appl
					Sequence 2817, Appl
					Sequence 2815, Appl
					Sequence 16, Appl
					Sequence 2, Appl
					Sequence 5, Appl
					Sequence 4, Appl
					Sequence 18168, Appl
					Sequence 18167, Appl
					Sequence 6, Appl
					Sequence 18166, Appl
					Sequence 20252, Appl
					Sequence 20251, Appl
					Sequence 20250, Appl
					Sequence 10, Appl
					Sequence 6, Appl

## ALIGNMENTS

45	47	25.3	324	7	US-11-124-367A-426	Sequence 426, App
44	47	25.3	324	6	US-11-097-561-765	Sequence 765, App
43	47.5	25.5	446	7	US-11-087-039-1122	Sequence 1122, App
42	47.5	25.5	392	7	US-11-087-039-12003	Sequence 12003, App
41	47.5	25.5	302	7	US-11-072-512-1363	Sequence 1363, App
39	49	26.3	575	7	US-11-072-512-3622	Sequence 3622, App
38	51	27.4	307	6	US-10-793-626-1122	Sequence 1122, App
37	60.5	32.5	488	7	US-11-096-568A-19241	Sequence 19241, App
36	60.5	32.5	468	7	US-11-096-568A-19242	Sequence 19242, App
35	64.5	34.7	504	6	US-10-967-648A-14	Sequence 14, App
34	64.5	34.7	545	7	US-11-096-568A-20330	Sequence 20330, App
33	64.5	34.7	528	7	US-11-096-568A-3064	Sequence 3064, App
32	64.5	34.7	466	7	US-11-096-568A-3067	Sequence 3067, App
31	64.5	34.7	466	7	US-11-096-568A-3065	Sequence 3065, App
30	64.5	34.7	464	7	US-11-096-568A-20331	Sequence 20331, App
29	64.5	34.7	398	7	US-11-096-568A-3066	Sequence 3066, App
28	64.5	34.7	362	7	US-11-096-568A-20332	Sequence 20332, App
27	65.5	35.2	413	6	US-10-967-648A-8	Sequence 8, App
26	65.5	35.2	76	6	US-10-968-613B-90	Sequence 90, App

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RESULT 1
US-11-060-029--21
; Sequence 21, Application US/11060029
; Publication No. US20050268356A1
GENERAL INFORMATION:
APPLICANT: CropDesign N.V.
TITLE OF INVENTION: Plants having improved growth characteristics and a method for
FILE REFERENCE: CD-113-Pr10
CURRENT APPLICATION NUMBER: US/11/060,029
CURRENT FILING DATE: 2005-02-17
NUMBER OF SEQ ID NOS: 23
SOFTWARE: PatentIn version 3.2
SEQ ID NO 21
LENGTH: 318
TYPE: PRT
ORGANISM: Oryza sativa
US-11-060-029--21

Query Match          81.2%; Score 151; DB 7; Length 318;
Best Local Similarity 83.3%; Pred. No. 3e-14;
Matches 30; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      1 KNIRRRVYDALNVMANNISKEKKETIKWTGLPTNS 36
      |||||:|||||:|||||:|||||:|||||:|||||:
Db      150 KNIRRRVYDALNVMAMDISKDKKEIQWKGLPRTS 185

RESULT 2
US-11-060-029--15
; Sequence 15, Application US/11060029
; Publication No. US20050268356A1
GENERAL INFORMATION:
APPLICANT: CropDesign N.V.
TITLE OF INVENTION: Plants having improved growth characteristics and a method for
FILE REFERENCE: CD-113-Pr10
CURRENT APPLICATION NUMBER: US/11/060,029
CURRENT FILING DATE: 2005-02-17
NUMBER OF SEQ ID NOS: 23
SOFTWARE: PatentIn version 3.2
SEQ ID NO 15
LENGTH: 344
TYPE: PRT
ORGANISM: Oryza sativa
FEATURE:
NAME/KEY: misc_feature
LOCATION: (193)..(193)

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; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-11-060-029-15

Query Match      81.2%; Score 151; DB 7; Length 344;
Best Local Similarity 83.3%; Pred. No. 3.3e-14;
Matches 30; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVLMMNIISKEKEIKWIGLPTNS 36
    |||||
Db 148 KNIRRRYDALNVLMMNDIISKCKEIQWKGLPRTS 183

RESULT 3
US-11-060-029-19
; Sequence 19; Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 19
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Oryza sativa
US-11-060-029-19

Query Match      81.2%; Score 151; DB 7; Length 346;
Best Local Similarity 83.3%; Pred. No. 3.3e-14;
Matches 30; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVLMMNIISKEKEIKWIGLPTNS 36
    |||||
Db 150 KNIRRRYDALNVLMMNDIISKCKEIQWKGLPRTS 185

RESULT 4
US-11-060-029-2
; Sequence 2; Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 385
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-11-060-029-2

Query Match      81.2%; Score 151; DB 7; Length 385;
Best Local Similarity 83.3%; Pred. No. 3.8e-14;
Matches 30; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVLMMNIISKEKEIKWIGLPTNS 36
    |||||
Db 152 KNIRRRYDALNVLMMNDIISKCKEIQWKGLPRTS 187

RESULT 5
US-11-060-029-13
; Sequence 13; Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
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; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 13
; LENGTH: 386
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (40)..(40)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (102)..(102)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-11-060-029-13

Query Match      81.2%; Score 151; DB 7; Length 386;
Best Local Similarity 83.3%; Pred. No. 3.8e-14;
Matches 30; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVLMMNIISKEKEIKWIGLPTNS 36
    |||||
Db 185 KNIRRRYDALNVLMMNDIISKCKEIQWKGLPRTS 220

RESULT 6
US-11-060-029-4
; Sequence 4; Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 413
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-11-060-029-4

Query Match      81.2%; Score 151; DB 7; Length 413;
Best Local Similarity 83.3%; Pred. No. 4.1e-14;
Matches 30; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVLMMNIISKEKEIKWIGLPTNS 36
    |||||
Db 169 KNIRRRYDALNVLMMNDIISKCKEIQWKGLPRTS 204

RESULT 7
US-11-060-029-17
; Sequence 17; Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 17
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LENGTH: 379  
TYPE: PRT  
ORGANISM: Oryza sativa  
US-11-060-029-17

Query Match 80.6%; Score 150; DB 7; Length 379;  
Best Local Similarity 83.3%; Pred. No. 5.2e-14;  
Matches 30; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

1 KNIRRRVYDALNTLMANNITSEKKEIKWIGLPTNS 36  
178 KNIRRRVYDALNTLMANNITSEKKEIKWIGLPTNS 213

RESULT 8  
US-11-060-029-23

Sequence 23, Application US/11060029  
Publication No. US20050268358A1  
GENERAL INFORMATION:  
APPLICANT: CropDesign N.V.  
TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
TITLE OF INVENTION: making the same  
FILE REFERENCE: CD-113-prio  
CURRENT APPLICATION NUMBER: US/11/060.029  
CURRENT FILING DATE: 2005-02-17  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 23  
LENGTH: 353  
TYPE: PRT  
ORGANISM: Populus tremula x Populus tremuloides  
US-11-060-029-23

Query Match 79.6%; Score 148; DB 7; Length 353;  
Best Local Similarity 80.6%; Pred. No. 9.2e-14;  
Matches 29; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

1 KNIRRRVYDALNTLMANNITSEKKEIKWIGLPTNS 36  
152 KNIRRRVYDALNTLMANNITSEKKEIKWIGLPTNS 187

RESULT 9

US-10-967-648A-12  
Sequence 12, Application US/10967648A  
Publication No. US20050245473A1  
GENERAL INFORMATION:  
APPLICANT: Saunders, Nicholas A  
TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses  
TITLE OF INVENTION: thereof  
FILE REFERENCE: 12493972  
CURRENT APPLICATION NUMBER: US/10/967.648A  
CURRENT FILING DATE: 2004-10-15  
PRIOR APPLICATION NUMBER: USSN 60/512010  
PRIOR FILING DATE: 2003-10-16  
NUMBER OF SEQ ID NOS: 16  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 12  
LENGTH: 281  
TYPE: PRT  
ORGANISM: Human  
US-10-967-648A-12

Query Match 39.0%; Score 72.5; DB 6; Length 281;  
Best Local Similarity 48.3%; Pred. No. 0.0056;  
Matches 14; Conservative 7; Mismatches 7; Indels 1; Gaps 1;

4 RRRVYDALNTLMANNITSEKKEIKWIG 31  
100 KRRVYDITNVLDGIDLVKKSKHIRWIG 128

RESULT 10

US-11-096-568A-2816  
Sequence 2816, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
TITLE OF INVENTION: Thereby  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096.568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 2816  
LENGTH: 384  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: misc.feature  
LOCATION: (1)-(384)  
OTHER INFORMATION: Ceres Seq. ID no. 12610325  
US-11-096-568A-2816

Query Match 38.7%; Score 72; DB 7; Length 384;  
Best Local Similarity 45.5%; Pred. No. 0.0095;  
Matches 15; Conservative 4; Mismatches 8; Indels 6; Gaps 1;

5 RRVYDALNTLMANNITSEKKEIKWIG 31  
206 RRLYDIANTVLSNMLIEKHTTLDSPKPAFKWLG 238

RESULT 11

US-11-096-568A-2817  
Sequence 2817, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
TITLE OF INVENTION: Thereby  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096.568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 2817  
LENGTH: 384  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: misc.feature  
LOCATION: (1)-(384)  
OTHER INFORMATION: Ceres Seq. ID no. 16625362  
US-11-096-568A-2817

Query Match 38.7%; Score 72; DB 7; Length 384;  
Best Local Similarity 45.5%; Pred. No. 0.0095;  
Matches 15; Conservative 4; Mismatches 8; Indels 6; Gaps 1;

5 RRVYDALNTLMANNITSEKKEIKWIG 31  
206 RRLYDIANTVLSNMLIEKHTTLDSPKPAFKWLG 238

RESULT 12

US-11-096-568A-2815  
Sequence 2815, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
TITLE OF INVENTION: Thereby  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096.568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471

Query Match 38.7%; Score 72; DB 7; Length 384;  
Best Local Similarity 45.5%; Pred. No. 0.0095;  
Matches 15; Conservative 4; Mismatches 8; Indels 6; Gaps 1;

5 RRVYDALNTLMANNITSEKKEIKWIG 31  
206 RRLYDIANTVLSNMLIEKHTTLDSPKPAFKWLG 238

RESULT 12

US-11-096-568A-2815  
Sequence 2815, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
TITLE OF INVENTION: Thereby  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096.568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471

SEQ ID NO 2815  
LENGTH: 385  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(385)  
OTHER INFORMATION: Ceres Seq. ID no. 12610324  
US-11-096-568A-2815

Query Match 38.7%; Score 72; DB 7; Length 385;  
Best Local Similarity 45.5%; Pred. No. 0.0095;  
Matches 15; Conservative 4; Mismatches 8; Indels 6; Gaps 1;

QY 5 RRVYDALNVLMANNISKE-----EKKEIKWIG 31  
DB 207 RRIYDITNVLEGIQIIAKSKNHIQWLSGHT 239

RESULT 13  
US-10-967-648A-16  
Sequence 16, Application US/10967648A  
Publication No. US20050245473A1  
GENERAL INFORMATION:  
APPLICANT: Saunders, Nicholas A  
TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses  
FILE REFERENCE: 12493972  
CURRENT APPLICATION NUMBER: US/10/967,648A  
CURRENT FILING DATE: 2004-10-15  
PRIOR APPLICATION NUMBER: USSN 60/512010  
PRIOR FILING DATE: 2003-10-16  
NUMBER OF SEQ ID NOS: 16  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 16  
LENGTH: 121  
TYPE: PRT  
ORGANISM: Human  
US-10-967-648A-16

Query Match 38.4%; Score 71.5; DB 6; Length 121;  
Best Local Similarity 43.8%; Pred. No. 0.0029;  
Matches 14; Conservative 8; Mismatches 9; Indels 1; Gaps 1;

QY 4 RRVYDALNVLMANNISKE-KKEIKWIGLPT 34  
DB 50 KRRIYDITNVLEGIQIIAKSKNHIQWLSGHT 81

RESULT 14  
US-10-967-648A-2  
Sequence 2, Application US/10967648A  
Publication No. US20050245473A1  
GENERAL INFORMATION:  
APPLICANT: Saunders, Nicholas A  
TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses  
FILE REFERENCE: 12493972  
CURRENT APPLICATION NUMBER: US/10/967,648A  
CURRENT FILING DATE: 2004-10-15  
PRIOR APPLICATION NUMBER: USSN 60/512010  
PRIOR FILING DATE: 2003-10-16  
NUMBER OF SEQ ID NOS: 16  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 2  
LENGTH: 437  
TYPE: PRT  
ORGANISM: Human  
US-10-967-648A-2

Query Match 38.4%; Score 71.5; DB 6; Length 437;  
Best Local Similarity 43.8%; Pred. No. 0.013;  
Matches 14; Conservative 8; Mismatches 9; Indels 1; Gaps 1;

QY 4 RRVYDALNVLMANNISKE-KKEIKWIGLPT 34  
DB 164 KRRIYDITNVLEGIQIIAKSKNHIQWLSGHT 195

RESULT 15  
US-10-863-093-5  
Sequence 5, Application US/10863093  
Publication No. US20050269081A1  
GENERAL INFORMATION:  
APPLICANT: Andrews, William H.  
APPLICANT: Foster, Christopher A.  
APPLICANT: Fraser, Stephanie  
APPLICANT: Mohammadpour, Hamid  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR MODULATING  
FILE REFERENCE: STER-005  
CURRENT APPLICATION NUMBER: US/10/863,093  
CURRENT FILING DATE: 2004-06-08  
PRIOR APPLICATION NUMBER: US/09/932,581  
PRIOR FILING DATE: 2001-08-17  
PRIOR APPLICATION NUMBER: 60/227,865  
PRIOR FILING DATE: 2000-08-24  
PRIOR APPLICATION NUMBER: 60/230,174  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/238,345  
PRIOR FILING DATE: 2000-10-05  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 5  
LENGTH: 85  
TYPE: PRT  
ORGANISM: human  
US-10-863-093-5

Query Match 37.9%; Score 70.5; DB 6; Length 85;  
Best Local Similarity 44.8%; Pred. No. 0.0026;  
Matches 13; Conservative 8; Mismatches 7; Indels 1; Gaps 1;

QY 4 RRVYDALNVLMANNISKE-KKEIKWIG 31  
DB 55 KRRIYDITNVLEGIQIIAKSKNHIQWLG 83

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Job time : 15.8851 secs

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OM protein - protein search, using SW model

Run on: March 17, 2006, 20:46:22 ; Search time 119.931 Seconds  
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Title: US-09-900-147-1

Perfect score: 186  
Sequence: 1 KNIRRRYDALNYLMANNISKEKEIKWIGLPTNSA 37

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

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Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0  
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Post-processing: Minimum Match 0%

Maximum Match 100%

Database: Published Applications AA Main:

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	186	100.0	37	US-09-900-147-1	Sequence 1, Appli
2	186	100.0	149	US-10-450-763-35869	Sequence 35869, A
3	186	100.0	355	US-10-106-698-4846	Sequence 4846, Ap
4	186	100.0	424	US-10-450-763-58416	Sequence 58416, A
5	166	89.2	445	US-11-097-143-9348	Sequence 9348, Ap
6	164	88.2	405	US-10-053-248-24	Sequence 24, Appl
7	164	88.2	405	US-10-345-837-24	Sequence 24, Appl
8	162	87.1	185	US-10-450-763-35867	Sequence 35867, A
9	160	86.0	74	US-10-214-188-10	Sequence 10, Appl
10	158	84.9	119	US-10-856-499-1157	Sequence 1157, Ap
11	153	82.3	120	US-10-856-499-1056	Sequence 1056, Ap
12	153	82.3	575	US-09-900-147-7	Sequence 7, Appli
13	152	81.7	30	US-09-900-147-6	Sequence 6, Appli
14	151	81.2	207	US-10-425-114-71403	Sequence 71403, A
15	151	81.2	222	US-10-425-114-36974	Sequence 36974, A
16	151	81.2	301	US-10-425-115-272014	Sequence 272014, A
17	151	81.2	314	US-10-424-599-185947	Sequence 185947, A
18	151	81.2	318	US-10-437-963-166158	Sequence 166158, A
19	151	81.2	385	US-10-739-930-6734	Sequence 6734, Ap
20	150	80.6	263	US-10-437-963-167076	Sequence 167076, A
21	150	80.6	336	US-10-425-114-46555	Sequence 46555, A
22	150	80.6	341	US-10-425-115-186696	Sequence 186696, A
23	148	79.6	320	US-10-424-599-186648	Sequence 186648, A
24	136	73.1	292	US-10-489-500-4	Sequence 4, Appli
25	132.5	71.2	369	US-10-437-963-136371	Sequence 136371, A
26	129	69.4	250	US-10-425-115-188778	Sequence 188778, A
27	108	58.1	165	US-10-424-599-234773	Sequence 234773, A

28	101	54.3	20	3	US-09-900-147-4	Sequence 4, Appli
29	101	54.3	28	5	US-10-752-505-22	Sequence 22, Appl
30	101	54.3	28	5	US-10-752-505-24	Sequence 24, Appl
31	97	52.2	28	5	US-10-752-505-3	Sequence 3, Appli
32	97	52.2	28	5	US-10-752-505-21	Sequence 21, Appl
33	91	48.9	19	3	US-09-900-147-3	Sequence 3, Appli
34	85	45.7	29	5	US-10-752-505-26	Sequence 26, Appl
35	83	44.6	19	3	US-09-900-147-15	Sequence 15, Appl
36	82.5	44.4	287	5	US-10-732-923-3422	Sequence 3422, Ap
37	82.5	44.4	412	5	US-10-732-923-3424	Sequence 3424, Ap
38	82.5	44.4	470	5	US-10-732-923-3423	Sequence 3423, Ap
39	80	43.0	15	3	US-09-900-147-10	Sequence 10, Appl
40	79	42.5	19	3	US-09-900-147-17	Sequence 17, Appl
41	77.5	41.7	282	5	US-10-732-923-3446	Sequence 3446, Ap
42	77	41.4	19	3	US-09-900-147-16	Sequence 16, Appl
43	76.5	41.1	198	5	US-10-732-923-3386	Sequence 3386, Ap
44	76	40.9	16	3	US-09-900-147-5	Sequence 5, Appl
45	74.5	40.1	181	5	US-10-732-923-3379	Sequence 3379, Ap

#### ALIGNMENTS

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RESULT 1
US-09-900-147-1
; Sequence 1, Application US/09900147
; Patent No. US20020103121A1
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/900,147
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-1
Query Match          100.0%; Score 186; DB 3; Length 37;
Best Local Similarity 100.0%; Pred. No. 1.2e-19;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 KNIRRRYDALNYLMANNISKEKEIKWIGLPTNSA 37
Db 1 KNIRRRYDALNYLMANNISKEKEIKWIGLPTNSA 37
RESULT 2
US-10-450-763-35869
; Sequence 35869, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23

```

; NUMBER OF SEQ ID NOS: 60736  
; SOFTWARE: Cuscom  
; SEQ ID NO 35869  
; LENGTH: 149  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-450-763-35869

Query Match 100.0%; Score 186; DB 5; Length 149;  
Best Local Similarity 100.0%; Pred. No. 5.7e-19;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDNLVLMNNISKEKEIKWIGLPTNSA 37  
|||  
Db 22 KNIRRRYDNLVLMNNISKEKEIKWIGLPTNSA 58

RESULT 3  
US-10-106-698-4846  
; Sequence 4846, Application US/10106698  
; Publication No. US20030109690A1  
; GENERAL INFORMATION:

; APPLICANT: Ruben et al.  
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide  
; FILE REFERENCE: PA005P1  
; CURRENT APPLICATION NUMBER: US/10/106,698  
; CURRENT FILING DATE: 2002-03-27  
; PRIOR APPLICATION NUMBER: PCT/US00/26524  
; PRIOR FILING DATE: 2000-09-28  
; PRIOR APPLICATION NUMBER: US 60/157,137  
; PRIOR FILING DATE: 1999-09-29  
; PRIOR APPLICATION NUMBER: US 60/163,280  
; PRIOR FILING DATE: 1999-11-03  
; NUMBER OF SEQ ID NOS: 8564  
; SOFTWARE: PatentIn Ver. 3.0  
; SEQ ID NO 4846  
; LENGTH: 355  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (342)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: MISC FEATURE  
; LOCATION: (348)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: MISC FEATURE  
; LOCATION: (351)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: MISC FEATURE  
; LOCATION: (352)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-10-106-698-4846

Query Match 100.0%; Score 186; DB 4; Length 355;  
Best Local Similarity 100.0%; Pred. No. 1.5e-18;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDNLVLMNNISKEKEIKWIGLPTNSA 37  
|||  
Db 169 KNIRRRYDNLVLMNNISKEKEIKWIGLPTNSA 205

RESULT 4  
US-10-450-763-58416  
; Sequence 58416, Application US/10450763  
; Publication No. US20050196754A1  
; GENERAL INFORMATION:

; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 790CIP3/US  
; CURRENT APPLICATION NUMBER: US/10/450,763  
; CURRENT FILING DATE: 2003-06-11

; PRIOR APPLICATION NUMBER: PCT/US01/08631  
; PRIOR FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: 09/540,217  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: 09/649,167  
; PRIOR FILING DATE: 2000-08-23  
; NUMBER OF SEQ ID NOS: 60736  
; SOFTWARE: Cuscom  
; SEQ ID NO 58416  
; LENGTH: 424  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-450-763-58416

Query Match 100.0%; Score 186; DB 5; Length 424;  
Best Local Similarity 100.0%; Pred. No. 1.9e-18;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDNLVLMNNISKEKEIKWIGLPTNSA 37  
|||  
Db 156 KNIRRRYDNLVLMNNISKEKEIKWIGLPTNSA 192

RESULT 5  
US-11-097-143-9348  
; Sequence 9348, Application US/11097143  
; Publication No. US20050208558A1  
; GENERAL INFORMATION:

; APPLICANT: Venter, J. Craig  
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID  
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE  
; FILE REFERENCE: CL000728  
; CURRENT APPLICATION NUMBER: US/11/097,143  
; CURRENT FILING DATE: 2005-04-04  
; PRIOR APPLICATION NUMBER: 60/157,832  
; PRIOR FILING DATE: 1999-10-05  
; PRIOR APPLICATION NUMBER: 60/160,191  
; PRIOR FILING DATE: 1999-10-19  
; PRIOR APPLICATION NUMBER: 60/161,932  
; PRIOR FILING DATE: 1999-10-28  
; PRIOR APPLICATION NUMBER: 60/164,769  
; PRIOR FILING DATE: 1999-11-12  
; PRIOR APPLICATION NUMBER: 60/173,383  
; PRIOR FILING DATE: 1999-12-28  
; PRIOR APPLICATION NUMBER: 60/175,693  
; PRIOR FILING DATE: 2000-01-12  
; PRIOR APPLICATION NUMBER: 60/184,831  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: 60/191,637  
; PRIOR FILING DATE: 2000-03-23  
; NUMBER OF SEQ ID NOS: 43008  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 9348  
; LENGTH: 445  
; TYPE: PRT  
; ORGANISM: DROSOPHILA  
US-11-097-143-9348

Query Match 89.2%; Score 166; DB 6; Length 445;  
Best Local Similarity 86.1%; Pred. No. 1.7e-15;  
Matches 31; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 KNIRRRYDNLVLMNNISKEKEIKWIGLPTNS 36  
|||  
Db 213 KNIRRRYDNLVLMNNISKEKEIKWIGLPTNS 248

RESULT 6  
US-10-053-248-24  
; Sequence 24, Application US/10053248  
; Publication No. US20030144188A1

```

; GENERAL INFORMATION:
; APPLICANT: Lin, Biaoyang
; TITLE OF INVENTION: Androgen Regulated Nucleic Acid
; FILE REFERENCE: P-IS 4814
; CURRENT APPLICATION NUMBER: US/10/053,248
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-053-248-24

```

```

Query Match      88.2%; Score 164; DB 4; Length 405;
Best Local Similarity 86.5%; Pred. No. 3e-15;
Matches 32; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

```

```

QY      1 KNIRRRVDALNVLMMNIISKEKEIKWIGLPTNSA 37
Db      158 KNIRKRTYDALNVLMMNIISREKKIKWIGLTTNSA 194

```

```

RESULT 7
US-10-345-837-24
; Sequence 24, Application US/10345837
; Publication No. US20040137440A1
; GENERAL INFORMATION:
; APPLICANT: Lin, Biaoyang
; TITLE OF INVENTION: Androgen Regulated Nucleic Acid
; FILE REFERENCE: P-IS 5589
; CURRENT APPLICATION NUMBER: US/10/345,837
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 10/053,248
; PRIOR FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-345-837-24

```

```

Query Match      88.2%; Score 164; DB 4; Length 405;
Best Local Similarity 86.5%; Pred. No. 3e-15;
Matches 32; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

```

```

QY      1 KNIRRRVDALNVLMMNIISKEKEIKWIGLPTNSA 37
Db      158 KNIRKRTYDALNVLMMNIISREKKIKWIGLTTNSA 194

```

```

RESULT 8
US-10-450-763-35867
; Sequence 35867, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 35867

```

```

; LENGTH: 185
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-35867

```

```

Query Match      87.1%; Score 162; DB 5; Length 185;
Best Local Similarity 89.2%; Pred. No. 2.4e-15;
Matches 33; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

```

```

QY      1 KNIRRRVDALNVLMMNIISKEKEIKWIGLPTNSA 37
Db      149 KNIRRRVDALNVLRAVSIISKEKEIKWIGLPTNSA 185

```

```

RESULT 9
US-10-214-188-10
; Sequence 10, Application US/10214188
; Publication No. US2003002260A1
; GENERAL INFORMATION:
; APPLICANT: LA THANGUE, NICHOLAS B.
; BERNARDS, RENE
; HUMANS, ELEANORE M.
; TITLE OF INVENTION: TRANSCRIPTION FACTOR E2F-5
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSER: NIXON & VANDERHAYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/214,188
; FILING DATE: 08-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/894,139
; FILING DATE: 13-AUG-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 620-22
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 74 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-10-214-188-10

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```

Query Match      86.0%; Score 160; DB 4; Length 74;
Best Local Similarity 100.0%; Pred. No. 1.7e-15;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 KNIRRRVDALNVLMMNIISKEKEIKWIGL 32
Db      43 KNIRRRVDALNVLMMNIISKEKEIKWIGL 74

```

```

RESULT 10
US-10-856-499-1157
; Sequence 1157, Application US/10856499
; Publication No. US20040259145A1

```

```
/ GENERAL INFORMATION:
/ APPLICANT: Wood, Marion
/ APPLICANT: Shenk, Michael A.
/ APPLICANT: McGrath, Annette
/ APPLICANT: Glenn, Matthew
/ TITLE OF INVENTION: Compositions and Methods for the
/ TITLE OF INVENTION: Modification of Gene Transcription
/ FILE REFERENCE: 11000.1021C2
/ CURRENT APPLICATION NUMBER: US/10/856,499
/ CURRENT FILING DATE: 2004-05-28
/ NUMBER OF SEQ ID NOS: 2370
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1157
/ LENGTH: 119
/ TYPE: PRF
/ ORGANISM: Pinus radiata
US-10-856-499-1157

Query Match      84.9%; Score 158; DB 5; Length 119;
Best Local Similarity 86.1%; Pred. No. 5.6e-15;
Matches 31; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY      1 KNIRRRYDALNVLMMNNISKEKEIKWIGLPTNS 36
DB      71 KNIRRRYDALNVLMMNDISKEKEIKWIGLPTTN 106

RESULT 11
US-10-856-499-1056
/ Sequence 1056, Application US/10856499
/ Publication No. US20040259145A1
/ GENERAL INFORMATION:
/ APPLICANT: Wood, Marion
/ APPLICANT: McGrath, Annette
/ APPLICANT: Glenn, Matthew
/ TITLE OF INVENTION: Compositions and Methods for the
/ TITLE OF INVENTION: Modification of Gene Transcription
/ FILE REFERENCE: 11000.1021C2
/ CURRENT APPLICATION NUMBER: US/10/856,499
/ CURRENT FILING DATE: 2004-05-28
/ NUMBER OF SEQ ID NOS: 2370
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1056
/ LENGTH: 120
/ TYPE: PRF
/ ORGANISM: Pinus radiata
US-10-856-499-1056

Query Match      82.3%; Score 153; DB 5; Length 120;
Best Local Similarity 83.3%; Pred. No. 3.1e-14;
Matches 30; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY      1 KNIRRRYDALNVLMMNNISKEKEIKWIGLPTNS 36
DB      70 KNIRRRYDALNVLMMNDISKEKEIKWIGLPTNS 105

RESULT 12
US-09-220-091-7
/ Sequence 7, Application US/09220091
/ Patent No. US20020064523A1
/ GENERAL INFORMATION:
/ APPLICANT: H. Robert Horvitz
/ APPLICANT: Craig Ceol
/ APPLICANT: Xiaowei Lu
/ TITLE OF INVENTION: A TUMOR SUPPRESSOR PATHWAY IN C. ELEGANS
/ FILE REFERENCE: 01997/202003
/ CURRENT APPLICATION NUMBER: US/09/220,091
/ CURRENT FILING DATE: 1998-12-23
/ EARLIER APPLICATION NUMBER: 60/047,996
/ EARLIER FILING DATE: 1997-05-28
/ EARLIER APPLICATION NUMBER: 09/087,136
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/ EARLIER FILING DATE: 1998-05-28
/ NUMBER OF SEQ ID NOS: 19
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 7
/ LENGTH: 575
/ TYPE: PRF
/ ORGANISM: Caenorhabditis elegans
US-09-220-091-7

Query Match      82.3%; Score 153; DB 3; Length 575;
Best Local Similarity 75.7%; Pred. No. 1.8e-13;
Matches 28; Conservative 7; Mismatches 2; Indels 0; Gaps 0;

QY      1 KNIRRRYDALNVLMMNNISKEKEIKWIGLPTNSA 37
DB      99 KNIRRRYDALNVLMMNNITTSKDKIRWIGLPTASAS 135

RESULT 13
US-09-900-147-6
/ Sequence 6, Application US/09900147
/ Patent No. US20020103121A1
/ GENERAL INFORMATION:
/ APPLICANT: La Thangue, Nicholas B
/ APPLICANT: Bandaru, Laxantha R
/ TITLE OF INVENTION: Peptide antagonists of DP transcription factors
/ FILE REFERENCE: 620-67
/ CURRENT APPLICATION NUMBER: US/09/900,147
/ CURRENT FILING DATE: 2001-07-09
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
/ PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
/ PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
/ NUMBER OF SEQ ID NOS: 18
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 6
/ LENGTH: 30
/ TYPE: PRF
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-6

Query Match      81.7%; Score 152; DB 3; Length 30;
Best Local Similarity 100.0%; Pred. No. 8.9e-15;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 YDALNVLMMNNISKEKEIKWIGLPTNSA 37
DB      1 YDALNVLMMNNISKEKEIKWIGLPTNSA 30

RESULT 14
US-10-425-114-71403
/ Sequence 71403, Application US/10425114
/ Publication No. US20040034888A1
/ GENERAL INFORMATION:
/ APPLICANT: Liu, Jindong
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Screen, Steven B
/ APPLICANT: Tabaska, Jack E
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
/ TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
/ FILE REFERENCE: 38-21(53313)B
/ CURRENT APPLICATION NUMBER: US/10/425,114
/ CURRENT FILING DATE: 2003-04-28
/ NUMBER OF SEQ ID NOS: 73128
/ SEQ ID NO 71403
/ LENGTH: 207
/ TYPE: PRF
/ ORGANISM: Zea mays subsp. mexicana
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FEATURE:  
OTHER INFORMATION: Clone ID: UC-ZMOTECOSINTE119B07\_FLI.pep  
US-10-425-114-71403

Query Match 81.2%; Score 151; DB 4; Length 207;  
Best Local Similarity 83.3%; Pred. No. 1.1e-13;  
Matches 30; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 KNIRRRYVDALNTLMANNIISKKEIKWIGLPTNS 36  
DB 6 KNIRRRYVDALNTLMANNIISKKEIKWIGLPTNS 41

RESULT 15

US-10-425-114-36974  
Sequence 36974, Application US/10425114  
Publication No. US2004034888A1  
GENERAL INFORMATION:  
APPLICANT: Liu, Jindong  
APPLICANT: Zhou, Yihua  
APPLICANT: Kovalic, David K.  
APPLICANT: Screen, Steven E  
APPLICANT: Tabaka, Jack E  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
FILE REFERENCE: 38-21 (5313)B  
CURRENT APPLICATION NUMBER: US/10/425,114  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 73128  
SEQ ID NO 36974  
LENGTH: 222  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
OTHER INFORMATION: Clone ID: LIB3170-045-C12\_FLI.pep  
US-10-425-114-36974

Query Match 81.2%; Score 151; DB 4; Length 222;  
Best Local Similarity 83.3%; Pred. No. 1.2e-13;  
Matches 30; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 KNIRRRYVDALNTLMANNIISKKEIKWIGLPTNS 36  
DB 27 KNIRRRYVDALNTLMANNIISKKEIKWIGLPTNS 62

Search completed: March 17, 2006, 20:52:10  
Job time : 120.931 secs

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OM protein - protein search, using sw model

Run on: March 17, 2006, 20:27:26 ; Search time 24.6667 Seconds  
(without alignments)  
124.014 Million cell updates/sec

Title: US-09-900-147-1  
Perfect score: 186  
Sequence: 1 KNIRRRYDALNVLMMANNISKEKIKWIGLPTNSA 37

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
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2: /cgn2\_6/ptodata/1/1aa/6 COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/H COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/PTUS COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/RE COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/backfil1est.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	186	100.0	37	2	US-09-308-935-1 Sequence 1, Appli
2	186	100.0	72	1	US-08-428-131-11 Sequence 11, Appli
3	186	100.0	72	2	US-09-078-596-11 Sequence 11, Appli
4	186	100.0	331	2	US-09-949-016-9220 Sequence 9220, Ap
5	186	100.0	410	1	US-08-723-415B-10 Sequence 10, Appli
6	186	100.0	410	1	US-08-723-415B-11 Sequence 11, Appli
7	186	100.0	410	1	US-08-428-131-2 Sequence 2, Appli
8	186	100.0	410	1	US-08-602-846-2 Sequence 2, Appli
9	186	100.0	410	2	US-09-078-596-2 Sequence 2, Appli
10	186	100.0	410	2	US-09-189-627A-10 Sequence 10, Appli
11	186	100.0	410	2	US-09-189-627A-11 Sequence 11, Appli
12	186	100.0	410	2	US-09-710-861-10 Sequence 10, Appli
13	186	100.0	410	2	US-09-710-861-11 Sequence 11, Appli
14	186	100.0	415	2	US-09-949-016-8808 Sequence 8808, Ap
15	182	97.8	369	1	US-08-723-415B-4 Sequence 4, Appli
16	182	97.8	369	2	US-09-189-627A-4 Sequence 4, Appli
17	182	97.8	369	2	US-09-710-861-4 Sequence 4, Appli
18	182	97.8	370	1	US-08-723-415B-6 Sequence 6, Appli
19	182	97.8	370	2	US-09-189-627A-6 Sequence 6, Appli
20	182	97.8	370	2	US-09-189-627A-6 Sequence 6, Appli
21	182	97.8	385	1	US-08-723-415B-8 Sequence 8, Appli
22	182	97.8	385	2	US-09-189-627A-8 Sequence 8, Appli
23	182	97.8	385	2	US-09-710-861-8 Sequence 8, Appli
24	182	97.8	446	1	US-08-723-415B-2 Sequence 2, Appli
25	182	97.8	446	2	US-09-189-627A-2 Sequence 2, Appli
26	182	97.8	446	2	US-09-710-861-2 Sequence 2, Appli
27	160	86.0	74	2	US-08-894-139-10 Sequence 10, Appli

28	158	84.9	119	2	US-09-640-211A-1157 Sequence 1157, Ap
29	153	82.3	120	2	US-09-640-211A-1056 Sequence 1056, Ap
30	152	81.7	20	2	US-09-308-935-6 Sequence 6, Appli
31	101	54.3	20	2	US-09-308-935-4 Sequence 4, Appli
32	101	54.3	28	2	US-09-269-576G-22 Sequence 22, Appli
33	101	54.3	28	2	US-09-269-576G-24 Sequence 24, Appli
34	97	52.2	28	2	US-09-269-576G-21 Sequence 21, Appli
35	97	52.2	28	2	US-09-269-576G-21 Sequence 21, Appli
36	91	48.9	19	2	US-09-308-935-3 Sequence 3, Appli
37	85	45.7	29	2	US-09-269-576G-26 Sequence 26, Appli
38	83	44.6	19	2	US-09-308-935-15 Sequence 15, Appli
39	81	43.5	17	1	US-08-428-131-13 Sequence 13, Appli
40	81	43.5	17	2	US-09-078-596-13 Sequence 13, Appli
41	80	43.0	15	2	US-09-308-935-10 Sequence 10, Appli
42	79	42.5	19	2	US-09-308-935-17 Sequence 17, Appli
43	77	41.4	19	2	US-09-308-935-16 Sequence 16, Appli
44	76	40.9	16	2	US-09-308-935-5 Sequence 5, Appli
45	72.5	39.0	189	2	US-09-949-016-7562 Sequence 7562, Ap

## ALIGNMENTS

```
RESULT 1
US-09-308-935-1
: Sequence 1, Application US/09308935
: Patent No. 6268334
: GENERAL INFORMATION:
: APPLICANT: La Thangue, Nicholas B
: TITLE OF INVENTION: Peptide antagonists of DP transcription factors
: FILE REFERENCE: 620-67
: CURRENT APPLICATION NUMBER: US/09/308, 935
: EARLIER APPLICATION NUMBER: PCT/GB97/03506
: EARLIER FILING DATE: 1997-12-22
: EARLIER APPLICATION NUMBER: GB 9626589.7
: EARLIER FILING DATE: 1996-12-20
: NUMBER OF SEQ ID NOS: 18
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 1
: LENGTH: 37
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURES:
: OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-1

Query Match          100.0%; Score 186; DB 2; Length 37;
Best Local Similarity 100.0%; Pred. No. 3.8e-21;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 KNIRRRYDALNVLMMANNISKEKIKWIGLPTNSA 37
Db 1 KNIRRRYDALNVLMMANNISKEKIKWIGLPTNSA 37

RESULT 2
US-08-428-131-11
: Sequence 11, Application US/08428131
: Patent No. 5863757
: GENERAL INFORMATION:
: APPLICANT: La Thangue, Nicholas Barrie
: TITLE OF INVENTION: Transcription Factor DP-1
: NUMBER OF SEQUENCES: 14
: CORRESPONDENCE ADDRESSES:
: ADDRESSER: Nixon & Vandervee
: STREET: 1100 No. 5863757th Glebe Road, 8th Floor
: CITY: Arlington
: STATE: Virginia
: COUNTRY: U.S.A.
: ZIP: 22201-4714
: COMPUTER READABLE FORM:
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MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 72 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-428-131-11

Query Match 100.0%; Score 186; DB 1; Length 72;  
Best Local Similarity 100.0%; Pred. No. 8.3e-21;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVMANNISKEKEIKWIGLPTNSA 37  
DB 4 KNIRRRYDALNVMANNISKEKEIKWIGLPTNSA 40

RESULT 3  
US-09-078-596-11  
Sequence 11, Application US/09078596  
Patent No. 6150116  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas Barrie  
TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Nixon & Vanderhye  
STREET: 1100 No. 6150116th Glebe Road, 8th Floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/078,596  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 72 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear

MOLECULE TYPE: protein  
US-09-078-596-11

Query Match 100.0%; Score 186; DB 2; Length 72;  
Best Local Similarity 100.0%; Pred. No. 8.3e-21;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVMANNISKEKEIKWIGLPTNSA 37  
DB 4 KNIRRRYDALNVMANNISKEKEIKWIGLPTNSA 40

RESULT 4  
US-09-949-016-9220  
Sequence 9220, Application US/09949016  
Patent No. 681239  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CL001307  
CURRENT APPLICATION NUMBER: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: PASCSEQ for Windows Version 4.0  
SEQ ID NO 9220  
LENGTH: 331  
TYPE: PRT  
ORGANISM: Human  
US-09-949-016-9220

Query Match 100.0%; Score 186; DB 2; Length 331;  
Best Local Similarity 100.0%; Pred. No. 5.1e-20;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVMANNISKEKEIKWIGLPTNSA 37  
DB 148 KNIRRRYDALNVMANNISKEKEIKWIGLPTNSA 184

RESULT 5  
US-08-723-415B-10  
Sequence 10, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: LaThangue, Nicholas B.  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOMORFS  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 No. 5859199th Glebe Rd. 8th Floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4100  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULAR TYPE: protein  
US-08-723-415B-10

Query Match 100.0%; Score 186; DB 1; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.6e-20;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNTLVAMNIISSKEKEIKWIGLPTNSA 37  
DB 163 KNIRRRYDALNTLVAMNIISSKEKEIKWIGLPTNSA 199

RESULT 6  
US-08-723-415B-11  
Sequence 11, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: Lathangue, Nicholas B.  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
TITLE OF INVENTION: THEREOF  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSER: NIXON & VANDERHYE P.C.  
STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723.415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4100  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULAR TYPE: protein  
US-08-723-415B-11

Query Match 100.0%; Score 186; DB 1; Length 410;

Best Local Similarity 100.0%; Pred. No. 6.6e-20;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNTLVAMNIISSKEKEIKWIGLPTNSA 37  
DB 163 KNIRRRYDALNTLVAMNIISSKEKEIKWIGLPTNSA 199

RESULT 7  
US-08-428-131-2  
Sequence 2, Application US/08428131  
Patent No. 5863757  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas Barrie  
TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Nixon & Vanderhye  
STREET: 1100 No. 5863757th Glebe Road, 8th floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4100  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULAR TYPE: protein  
US-08-428-131-2

Query Match 100.0%; Score 186; DB 1; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.6e-20;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNTLVAMNIISSKEKEIKWIGLPTNSA 37  
DB 163 KNIRRRYDALNTLVAMNIISSKEKEIKWIGLPTNSA 199

RESULT 8  
US-08-602-846-2  
Sequence 2, Application US/08602846  
Patent No. 5871901  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
TITLE OF INVENTION: ASSAY FOR INHIBITORS OF DP-1 AND OTHER DP  
NUMBER OF SEQUENCES: 3  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Nixon & Vanderhye P.C.  
STREET: 8th floor, 1100 No. 5871901th Glebe Road  
CITY: Arlington  
STATE: Virginia  
COUNTRY: USA  
ZIP: 22201-4714  
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/602,846  
FILING DATE: 26-FEB-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: CRAWFORD, ARTHUR R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 620-12  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-602-846-2

Query Match 100.0%; Score 186; DB 1; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.6e-20;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVTMMNIISKEKEIKWIGLPTNSA 37  
DB 163 KNIRRRYDALNVTMMNIISKEKEIKWIGLPTNSA 199

RESULT 9  
US-09-078-596-2  
Sequence 2, Application US/09078596  
Patent No. 6150116  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas Barrie  
TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Nixon E. Vanderhye  
STREET: 1100 No. 6150116th Glebe Road, 8th Floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (BPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/078,596  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-078-596-2

Query Match 100.0%; Score 186; DB 2; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.6e-20;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVTMMNIISKEKEIKWIGLPTNSA 37  
DB 163 KNIRRRYDALNVTMMNIISKEKEIKWIGLPTNSA 199

RESULT 10  
US-09-189-627A-10  
Sequence 10, Application US/09189627A  
Patent No. 6159691  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/189,627A  
CURRENT FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 10  
LENGTH: 410  
TYPE: PRT  
ORGANISM: human  
US-09-189-627A-10

Query Match 100.0%; Score 186; DB 2; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.6e-20;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVTMMNIISKEKEIKWIGLPTNSA 37  
DB 163 KNIRRRYDALNVTMMNIISKEKEIKWIGLPTNSA 199

RESULT 11  
US-09-189-627A-11  
Sequence 11, Application US/09189627A  
Patent No. 6159691  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/189,627A  
CURRENT FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 11  
LENGTH: 410  
TYPE: PRT  
ORGANISM: mouse  
US-09-189-627A-11

Query Match 100.0%; Score 186; DB 2; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.6e-20;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVTMMNIISKEKEIKWIGLPTNSA 37  
DB 163 KNIRRRYDALNVTMMNIISKEKEIKWIGLPTNSA 199

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RESULT 12
US-09-710-861-10
; Sequence 10, Application US/09710861
; Patent No. 6387649
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas
; APPLICANT: de la Luna, Susana
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
; FILE REFERENCE: 620-54
; CURRENT APPLICATION NUMBER: US/09/710,861
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US/09/189,627
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: 08/723,415
; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: GB 9610195
; PRIOR FILING DATE: 1996-05-15
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 10
; LENGTH: 410
; TYPE: PRT
; ORGANISM: human
US-09-710-861-10

Query Match          100.0%; Score 186; DB 2; Length 410;
Best Local Similarity 100.0%; Pred. No. 6.6e-20;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNTVMANNISKEKEIKWIGLPTNSA 37
Db 163 KNIRRRYDALNTVMANNISKEKEIKWIGLPTNSA 199

RESULT 13
US-09-710-861-11
; Sequence 11, Application US/09710861
; Patent No. 6387649
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas
; APPLICANT: de la Luna, Susana
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
; FILE REFERENCE: 620-54
; CURRENT APPLICATION NUMBER: US/09/710,861
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US/09/189,627
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: 08/723,415
; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: GB 9610195
; PRIOR FILING DATE: 1996-05-15
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 11
; LENGTH: 410
; TYPE: PRT
; ORGANISM: mouse
US-09-710-861-11

Query Match          100.0%; Score 186; DB 2; Length 410;
Best Local Similarity 100.0%; Pred. No. 6.6e-20;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNTVMANNISKEKEIKWIGLPTNSA 37
Db 163 KNIRRRYDALNTVMANNISKEKEIKWIGLPTNSA 199

RESULT 14
US-09-949-016-8808
; Sequence 8808, Application US/09949016
; Patent No. 6812339
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; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8808
; LENGTH: 415
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8808

Query Match          100.0%; Score 186; DB 2; Length 415;
Best Local Similarity 100.0%; Pred. No. 6.7e-20;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNTVMANNISKEKEIKWIGLPTNSA 37
Db 168 KNIRRRYDALNTVMANNISKEKEIKWIGLPTNSA 204

RESULT 15
US-08-723-415B-4
; Sequence 4, Application US/08723415B
; Patent No. 5859199
; GENERAL INFORMATION:
; APPLICANT: LaThangue, Nicholas B.
; APPLICANT: delaluna, Susana
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS
; TITLE OF INVENTION: THEREOF
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 No. 5859199th Giebe Rd. 8th floor
; CITY: Arlington
; STATE: VA
; COUNTRY: USA
; ZIP: 22201-4741
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Releasee #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/723,415B
; FILING DATE: 30-SEP-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9610195.1
; FILING DATE: 15-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Crawford, Arthur R.
; REGISTRATION NUMBER: 25,327
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-816-4000
; TELEFAX: 703-816-4100
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 369 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-723-415B-4
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Query Match 97.8%; Score 182; DB 1; Length 369;  
Best Local Similarity 97.3%; Pred. No. 2.4e-19;  
Matches 36; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALTLMAMNIISKEKEIKWIGLPTNSA 37  
:|||||  
Db 101 ENIRRRYDALTLMAMNIISKEKEIKWIGLPTNSA 137

Search completed: March 17, 2006, 20:28:44  
Job time : 25.6667 secs